COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
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Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Maria R. Nold
Regional Director

Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9VAC5-80-50 through 9VAC5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Department of the Navy
Facility Name:	Joint Expeditionary Base Little Creek
Facility Location:	1450 Gator Boulevard Virginia Beach, Virginia
Registration Number:	60033
Permit Number:	**TRO-60033**

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Pages 4 through 67)
State Only Enforceable Requirements (Page 68)

March 22, 2016	**March 21, 2021**
Effective Date	Expiration Date
Maria R. Nold	Signature Date

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I. Facility Information

Permittee
Commander, Navy Region, Mid-Atlantic
Regional Environmental Group Code N457
1510 Gilbert Street
Norfolk, Virginia 23511-2737

Responsible Official
John H. Chamberlayne
Director, Environmental Compliance
Commander, Navy Region, Mid-Atlantic

Facility
Joint Expeditionary Base Little Creek
1450 Gator Boulevard
Virginia Beach, Virginia 23521

Contact Person
Kelly Giles
Air Program Manager
(757) 341-0373
kelly.r.giles@navy.mil

County-Plant Identification Number: 51-810-00013

Facility Description:

NAICS Code: 928110 - National Security
336611 - Shipbuilding and repairing

The facility is a multi-disciplined United States Navy base that provides on-base facilities and services for the administrative and logistical support of operating forces, resident commands, organizations, home-ported ships, and other Navy and allied units. No products are manufactured at the facility. Various activities and operations are conducted to support the overhaul and repair activities for Navy vehicles, marine vessels, equipment, and buildings. In addition, the base is used as a training facility for the Atlantic fleet.

The facility is a Title V major source of SO_2, NOx, CO, VOC, and HAP. This source is located in an attainment area for all pollutants, and is a PSD-size source. The facility is currently permitted under a State Operating Permit issued on November 9, 2015.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Abrasive Blasting Operations							
Grit media blasting operation (ABRA-GRP1)							
ABRA-CB125-012	STABRA-CB125-001 & STABRA-CB125-002	Causeway Blasting Booth in bldg CB-125. Installed in 1992.	22,500 lb/hr	Dustrex baghouses. Installed in 1992.	CDABRA-CB125-001 & CDABRA-CB125-002	PM/PM-10	11/09/15 SOP
ABRA-CB125-023	STABRA-CB125-003 & STABRA-CB125-004	Causeway Blasting Booth in bldg CB-125. Installed in 1992.	22,500 lb/hr	Dustrex baghouses. Installed in 1992.	CDABRA-CB125-003 & CDABRA-CB125-004	PM/PM-10	11/09/15 SOP
Aluminum oxide/sponge media blasting operation							
ABRA-3816A-003	STABRA-3816A-003	Indoor abrasive blasting operation for the Landing Craft Air Cushion (LCAC) Service Life Extension Program (SLEP) in bldg 3816A. Installed in 2008.	180 lb/hr	Fabric filter. Installed in 2008.	CDABRA-3816A-003	PM/PM-10	3/4/08 Exemption Letter
Boilers							
Group I boilers (BOIL-GRP1)							
BOIL-777-001	STBOIL-777-001	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	76.2 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-001	NOx	11/09/15 SOP
BOIL-777-002	STBOIL-777-002	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	80.0 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-002	NOx	11/09/15 SOP
BOIL-777-003	STBOIL-777-003	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	75.6 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-003	NOx	11/09/15 SOP
BOIL-777-004	STBOIL-777-004	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	75.6 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-004	NOx	11/09/15 SOP

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Group II boiler (BOIL-GRP2)							
BOIL-3511-007	STBOIL-3511-007	Distillate oil-fired boiler in bldg 3511. Installed after 1972.	0.3548 MMBTU/hr	-	-	-	-
Group III boilers (BOIL-GRP3)							
BOIL-1602-009, BOIL-1602-010, BOIL-3445-011, BOIL-3445-012, BOIL-3049A-013, BOIL-3049A-014, BOIL-3056-021, BOIL-3129-022, BOIL-3147-023 BOIL-3363-024, BOIL-3364-025, BOIL-3408-026, BOIL-3430-027, BOIL-3445-028, BOIL-3505-029, BOIL-3690-030, BOIL-3854-031	STBOIL-1602-009, STBOIL-1602-010, STBOIL-3445-011, STBOIL-3445-012, STBOIL-3049A-013, STBOIL-3049A-014, STBOIL-3056-021, STBOIL-3129-022, STBOIL-3147-023 STBOIL-3363-024, STBOIL-3364-025, STBOIL-3408-026, STBOIL-3430-027, STBOIL-3445-028, STBOIL-3505-029, STBOIL-3690-030, STBOIL-3854-031	Natural gas-fired boilers. Installed after 1972.	Each < 10 MMBtu/hr	-	-	-	-
Group IV Boilers (BOIL-GRP4)							
OCOM-CB301-025 & OCOM-CB301-026	STOCOM-CB301-025 & STOCOM-CB301-026	Used oil-fired boilers. Installed after 1972.	Each 0.185 MMBtu/hr	-	-	-	-
Engines/Generators							
ICGF-108-001	STICGF-108-001	John Deere 4045TF diesel emergency generator. Manufactured 2001.	40 kW	-	-	-	-
ICGF-115-058	STICGF-115-058	Perkins CM51035 diesel emergency generator in bldg 115. Manufactured 2004.	20 kW 27 HP	-	-	-	-
ICGF-123-001	STICGF-123-001	PSI A030T740 natural gas emergency generator. Manufactured 2010.	150 kW	-	-	-	-

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ICGF-752-036	STICGF-752-036	Caterpillar 3406B_D1 diesel emergency generator in bldg 752. Manufactured 1991.	250 kW 335 HP	-	-	-	-
ICGF-773-039	STICGF-773-039	Caterpillar diesel emergency generator in bldg 773. Manufactured 1994.	1600 kW 2146 HP	N/A	N/A	N/A	11/09/15 SOP
ICGF-774-040	STICGF-774-040	Caterpillar diesel emergency generator in bldg 774. Manufactured 1994.	1600 kW 2146 HP	N/A	N/A	N/A	11/09/15 SOP
ICGF-777-037	STICGF-777-037	Caterpillar diesel emergency generator in bldg 777. Manufactured 1987.	725 kW 1220 HP	-	-	-	11/09/15 SOP
ICGF-1126-042	STICGF-1126-042	John Deere 6068HF485 diesel emergency generator in bldg 1126. Manufactured 2013.	180 kW 241 HP	-	-	-	-
ICGF-1166-043	STICGF-1166-043	Olympian 1006GTG diesel emergency generator in bldg 1166. Manufactured 2005. Installed 10/24/2005.	100 kW 134 HP	-	-	-	-
ICGF-1265-049	STICGF-1265-049	Caterpillar 3456 diesel emergency generator in bldg 1265. Manufactured 2006.	600 kW 805 HP	-	-	-	11/09/15 SOP
ICGF-1265-053	STICGF-1265-053	Caterpillar 3412 diesel emergency generator in bldg 1265. Manufactured 2005.	500 kW 671 HP	-	-	-	11/09/15 SOP
ICGF-1265-059	STICGF-1265-059	Caterpillar 3456 diesel emergency generator in bldg 1265. Manufactured 2005.	500 kW 671 HP	-	-	-	11/09/15 SOP
OCOM-1501-012	STICGF-1501-012	Caterpillar 3208 diesel emergency generator in bldg 1501. Installed before August 1981.	75 kW 101 HP	-	-	-	-
OCOM-1518-017	STICGF-1518-017	Perkins diesel emergency generator in bldg 1518. Manufactured 2001.	150 kW 201 HP	-	-	-	-
ICGF-1522-001	ST ICGF-1522-001	Onan diesel emergency generator in bldg 1522.	20 kW				
ICGF-1555-001	STICGF-1555-001	Perkins CM51035 diesel emergency generator in bldg 1555. Manufactured 2004.	20 kW 27 HP	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-1558-001	STICGF-1558-001	Generac A3797 propane emergency generator. Manufactured 1998.	35 kW				
ICGF-1609-041	STICGF-1609-041	Caterpillar 3056 diesel emergency generator in bldg 1609. Manufactured 1996.	100 kW 134 HP	-	-	-	-
ICGF-1618-001	STICGF-1618-001	Caterpillar 3306 diesel emergency generator in bldg 1618. Manufactured 2003.	300 kW 402 HP	-	-	-	-
ICGF-1625-001	STICGF-1625-001	Caterpillar 3454diesel emergency generator in bldg 1625. Manufactured 2010.	40 kW 54 HP	-	-	-	-
ICGF-2000-057	STICGF-2000-057	John Deere 6068TF250 diesel emergency generator in bldg 2000. Manufactured 2003.	125 kW 168 HP	-	-	-	-
ICGF-2083-063	STICGF-2083-063	Generac C2920 diesel emergency generator in bldg 2083. Manufactured 2000.	25 kW 34 HP	-	-	-	-
ICGF-2115-001	STICGF-2115-001	John Deere 4045HF285 diesel emergency generator in bldg 2115. Manufactured 2010.	80 kW 107 HP	-	-	-	-
ICGF-3006-048	STICGF-3006-048	Perkins AG51040 diesel emergency generator in bldg 3006. Manufactured 2004.	30 kW 40 HP	-	-	-	-
ICGF-3075-060	STICGF-3075-060	Ford WSG1068 natural gas emergency generator in bldg 3075. Manufactured 2005. Installed after August 2005.	100 kW 134 HP	-	-	-	-
ICGF-3144-001	ST ICGF-3144-001	John Deere 5030HF285G diesel emergency generator. Manufactured 2012.	62 kW				
ICGF-3150-049	STICGF-3150-049	Caterpillar 3454 diesel emergency generator in bldg 3150. Manufactured 2008.	60 kW 81 HP	-	-	-	-
ICGF-3165-004	STICGF-3165-004	Caterpillar 3304 PC diesel emergency generator. Manufactured 1970.	75 kW 101 HP	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-3293-066	STICGF-3293-066	Generac 70874 diesel emergency generator in bldg 3293. Manufactured 1989.	35 kW 47 HP	-	-	-	-
ICGF-3400-001	STICGF-3400-001	John Deere 4024TF281 diesel emergency generator in bldg 3400. Manufactured 2010.	30 kW 40 HP	-	-	-	-
ICGF-3445-067	STICGF-3445-067	Generac 74474 diesel emergency generator in bldg 3445. Manufactured 1992.	250 kW 335 HP	-	-	-	-
ICGF-3501-002	STICGF-3501-002	Olympian GM8.1 natural gas emergency generator. Manufactured 2008	150 kW				
ICGF-3504-001	STICGF-3504-001	GM 8.1LT natural gas emergency generator. Manufactured 2008	150 kW				
ICGF-3505-007	STICGF-3505-007	Caterpillar 3454 diesel emergency generator. Manufactured 2013.	100 kW 134 HP	-	-	-	-
ICGF-3505-008	STICGF-3505-008	Caterpillar 3454 diesel emergency generator. Manufactured 2013.	60 kW 81 HP	-	-	-	-
ICGF-3509-001	STICGF-3509-001	Caterpillar G3412 natural gas fired emergency generator in bldg 3509. Manufactured 2011.	515 kW 691 HP	-	-	-	-
ICGF-3520-001	ST ICGF-3520-001	John Deere 6068HF275 diesel emergency generator. Manufactured 2006	135 kW				
ICGF-3539-064	STICGF-3539-064	Caterpillar G3412 natural gas emergency generator in bldg 3539. Manufactured 2006.	450 kW 604 HP	-	-	-	-
ICGF-3708B-069	STICGF-3708B-069	Perkins 2643D640GF5 diesel emergency generator in bldg 3708B. Manufactured 2004. Installed 11/28/05.	100 kW 134 HP	-	-	-	-
ICGF-3808-065	STICGF-3808-065	Ford WSG1068 natural gas emergency generator in bldg 3808. Manufactured 2006. Installed 6/24/06.	75 kW 107 HP	-	-	-	-

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ICGF-3823-032	STICGF-3823-032	Caterpillar 3408DI diesel emergency generator in bldg 3823. Manufactured 1986.	365 kW 551 HP	-	-	-	-
ICGF-3841-068	STICGF-3841-068	Ford WSG1068 natural gas emergency generator in bldg 3841. Manufactured 2006 (11/30/06).	75 kW 101 HP	-	-	-	-
ICGF-3842-001	STICGF-3842-001	Ford WSG1068 natural gas fired emergency generator. Manufactured 2005.	75 kW 101 HP				
ICGF-3848-033	STICGF-3848-033	John Deere 4039TF001 diesel emergency generator in bldg 3848. Manufactured 2004.	60 kW 81 HP	-	-	-	-
ICGF-3854-001	STICGF-3854-001	Caterpillar 3406 natural gas emergency generator in bldg 3854. Manufactured 1997.	160 kW 233 HP	-	-	-	-
ICGF-3854-002	STICGF-3854-002	Cummins GTA855G2 natural gas emergency generator in bldg 3854. Manufactured 2006.	215 kW 336 HP	-	-	-	-
OCOM-3872-010	STOCOM-3872-010	One diesel training engine in bldg 3872. Manufactured 1999.	190 HP	-	-	-	11/09/15 SOP
OCOM-3872-011	STOCOM-3872-011	One diesel training engine in bldg 3872. Manufactured 1999.	190 HP	-	-	-	11/09/15 SOP
OCOM-3872-019	STOCOM-3872-019	One diesel training engine in bldg 3872. Manufactured 1999.	75 HP	-	-	-	11/09/15 SOP
OCOM-3872-020	STOCOM-3872-020	One diesel training engine in bldg 3872. Manufactured 1999.	135 HP	-	-	-	11/09/15 SOP
OCOM-3879-023	STICGF-3879-023	Onan diesel emergency generator in bldg 3879. Manufactured 1976.	100 kW 134 HP	-	-	-	-
ICGF-3889-001	STICGF-3889-001	Ford WSG1068 natural gas fired emergency generator. Manufactured 2006.	75 kW 101 HP				
ICGF-3889-002	STICGF-3889-002	Generac E133MSN320A1 natural gas fired emergency generator. Manufactured 2012.	250 kW				

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-3892-001	STICGF-3892-001	John Deere diesel emergency generator in bldg 3892. Manufactured 2005.	125 kW 168 HP	-	-	-	-
OCOM-5000-024	STICGF-5000-024	Cummins 4BT3.9-G2 diesel emergency generator in bldg 5000. Manufactured 1995.	55 kW 74 HP	-	-	-	-
ICGF-5326-001	STICGF-5326-001	Generac natural gas fired emergency generator. Manufactured 2010.	27 kW				
ICGF MAGAZINE-056	STICGF-MAGAZINE-056	Perkins AG51040 diesel emergency generator. Manufactured 2003.	30 kW 40 HP				
ICGF-PIER35-054	STICGF- PIER35-054	Olympian diesel emergency generator D40P3I at Pier 35. Manufactured 2004.	40 kW 54 HP	-	-	-	-
ICGF-L3-Triton	STICGF-L3-Triton	One diesel non-emergency generator (contractor owned). Manufactured 2007.	1000 kW 1350 HP	N/A	N/A	N/A	11/09/15 SOP
ICGF-L3-MTU	STICGF-L3-MTU	One diesel non-emergency generator (contractor owned). Manufactured 2011.	550 kW 815 HP	N/A	N/A	N/A	11/09/15 SOP
ICGF-L3-WACKER	STICGF-L3-WACKER	One diesel non-emergency generator (contractor owned). Manufactured 2006.	125 kW 150 HP	N/A	N/A	N/A	11/09/15 SOP
ICGF-Oceaneering-WACKER	STICGF-Oceaneering-WACKER	One diesel non-emergency generator (contractor owned). Manufactured 2007.	38 kW 67 HP	N/A	N/A	N/A	11/09/15 SOP
ICGF-Oceaneering-GENERAC	STICGF-Oceaneering-GENERAC	One diesel non-emergency generator (contractor owned). Manufactured 2015.	60 kW 92 HP	N/A	N/A	N/A	11/09/15 SOP
Firing Ranges							
FIRI-3817-001	STFIRI-3817-001	Indoor firing range in bldg 3817. Installed in 1992.	750 rounds/hr	Particulate filter. Installed in 1992.	CDFIRI-3817-001	PM/PM-10, Lead	11/09/15 SOP
FIRI-3638-002	STFIRI-3638-002	Indoor firing range in bldg 3638. Installed in 2005.	4400 rounds/hr	Particulate filter. Installed in 2005.	CDFIRI-3638-002	PM/PM-10, Lead	11/09/15 SOP

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Gasoline Operations							
PETO-3838-001A	ASPETO-3838-001A	Gasoline loading rack and associated storage tank in the fuel farm. Installed pre-1972.	Operates at less than 4,000 gal/day	-	-	-	-
GSTA-GRP2							
GSTA-1612-003	ASGSTA-1612-003	Gasoline dispensing facility and associated storage tanks: GSTA-1612-003 at bldg 1612 (WCITGO) w/ tanks TNKU-1612-019, 020 & 021. Installed after 1972.	GSTA-1612-003 with four pumps. TNKU-1612-019, 020 & 021 - 10,000 gallons each	All tanks with Stage 1 Vapor Recovery	Stage 1	VOC/HAPS	N/A
GSTA-3093-001	ASGSTA-3093-001	Gasoline dispensing facility and associated storage tanks: GSTA-3093-001 at bldg 3093 (ECITGO) w/ tanks TNKU-3093-001, 002 & 003. Installed after 1972.	GSTA-3093-001 with 12 pumps. TNKU-3093-001, 002 & 003 - 12,000 gallons each	All tanks with Stage 1 Vapor Recovery	Stage 1	VOC/HAPS	N/A
GSTA-3836A-006	ASGSTA-3836A-006	Gasoline dispensing facility and associated storage tanks: GSTA-3836A-006 at bldg 3836 (NEX by fuel farm). Installed after 1972.	GSTA-3836A-006 with one pump.	All tanks with Stage 1 Vapor Recovery	Stage 1	VOC/HAPS	N/A

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Painting Operations - Non-Shipbuilding/Ship Repair							
PNTS-GRP2							
PNTO-3816-007 PNTO-3511-008, PNTO-3514-009, PNTO-3874-010, PNTO-CB123-012, PNTO-3855-014, PNTO-3812-015, PNTO-3853-016, PNTO-1126-017, PNTO-CB315-018, PNTO-3869-019, PNTO-3896-020, PNTS-CB301-010, PNTS-1619-015, PNTS-3814-040, & PNTS-PORT OPS-041	ASPNTO-3816-007, ASPNTO-3511-008, ASPNTO-3514-009, ASPNTO-3874-010, ASPNTO-CB123-012, ASPNTO-3855-014, ASPNTO-3812-015, ASPNTO-3853-016, ASPNTO-1126-017, ASPNTO-CB315-018, ASPNTO-3869-019, ASPNTO-3896-020, ASPNTS-CB301-010, ASPNTS-1619-015, ASPNTS-3814-040, &ASPNTS-PORT OPS-041	Aerosol can spray paint activities	-	-	-	-	-
PNTS-GRP3							
PNTO-1131-003, PNTO-1522-004, PNTO-3165-005, PNTO-3226-006, PNTO-1619-050, PNTO-PORT OPS-051, & PNTO-3814-052	ASPNTO-1131-003, ASPNTO-1522-004, ASPNTO-3165-005, ASPNTO-3226-006, ASPNTO-1619-050, ASPNTO- PORT OPS-051, & ASPNTO-3814-052	Brush/roller painting activities	-	-	-	-	-
Painting Operations - Shipbuilding/Ship Repair							
PNTS-PIER SIDE							

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNTO-CONTRACTOR-020 & PNTO-SHIP FORCE-021	ASPNTO-CONTRACTOR-020 & ASPNTO-SHIP FORCE-021	Pier side ship painting activities	-	-	-	-	-
PNTS-SHIP							
PNTO-3816-002, PNTO-1263-011, PNTO-3874-011, PNTO-3814-013, PNTO-3869-019, PNTO-1619-030, PNTO-BMU2-031, PNTO-PORT OPS-032, PNTO-CB124-033, PNTO-NSWG2-034, PNTO-SBT20-035, & PNTO-UCT1-036	ASPNTO-3816-002, ASPNTO-1263-011, ASPNTO-3874-011, ASPNTO-3814-013, ASPNTO-3869-019, ASPNTO-1619-030, ASPNTO-BMU2-031, ASPNTO-PORT OPS-032, ASPNTO-CB124-033, ASPNTO-NSWG2-034, ASPNTO-SBT20-035, & ASPNTO-UCT1-036	Ship painting activities	-	-	-	-	-
Painting Operations - Wood Finishing							
PNTS-WOOD							
PNTS-CB301-001, PNTS-1618-002, PNTS-1522-003, PNTS-3165-004, PNTS-3227-005, & PNTS-3530-006	ASPNTS-CB301-001, ASPNTS-1618-002, ASPNTS-1522-003, ASPNTS-3165-004, ASPNTS-3227-005, & ASPNTS-3530-006	Wood finishing activities	-	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Woodworking Operations							
WOOD-GRP1							
WOOD-1618-008	STWOOD-1618-008	WOOD-1618-008 in bldg 1618. Installed pre-1972.	-	Fabric filters	CDWOOD-1618-008	PM/PM-10	-
WOOD-GRP2							
WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009 & WOOD-3806-001	STWOOD-1522-003, STWOOD-3165-004, STWOOD-117-006, STWOOD-3530-009, & STWOOD-3806-001	WOOD-1522-003 in bldg 1522. Installed pre-1972. WOOD-3165-004 in bldg 3175. Installed pre-1972. WOOD-117-006 in bldg 117. Installed pre-1972. WOOD-3530-009 in bldg 3530. Installed pre-1972. WOOD-3806-001 in bldg 3806. Installed pre-1997.	-	Cyclones	CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-117-006, CDWOOD-3530-009, & CDWOOD-3806-001	PM/PM-10	-
Degreasing Operations - Non-Halogenated Cold Degreasers (DEGS-GRP1)							
DEGS-CB205-001	N/A	Solvent Degreasing in bldg CB-205. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-CB315-001	N/A	Solvent Degreasing in bldg CB-315. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3817-018	N/A	Solvent Degreasing in bldg 3817. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3511-021	N/A	Solvent Degreasing in bldg 3511. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3514-024	N/A	Solvent Degreasing in bldg 3514. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3859-025	N/A	Solvent Degreasing in bldg 3859. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3165-031	N/A	Solvent Degreasing in bldg 3165. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3810-032	N/A	Solvent Degreasing in bldg 3810. (solvent < 120ºF)	< 10 gallons	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
DEGS-3615-044	N/A	Solvent Degreasing in bldg 3615. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-3615-045	N/A	Solvent Degreasing in bldg 3615. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-CB125-046	N/A	Solvent Degreasing in bldg CB-125. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-2632-001	N/A	Solvent Degreasing in bldg 2632. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-2632-002	N/A	Solvent Degreasing in bldg 2632. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-2632-003	N/A	Solvent Degreasing in bldg 2632. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-2632-004	N/A	Solvent Degreasing in bldg 2632. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-2632-005	N/A	Solvent Degreasing in bldg 2632. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-108-001	N/A	Solvent Degreasing in bldg 108. (solvent < 120ºF)	< 10 gallons	-	-	-	-
DEGS-117-001	N/A	Solvent Degreasing in bldg 117. (solvent < 120ºF)	< 10 gallons	-	-	-	-

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

III. Abrasive Blasting Operations (ABRA-GRP1 and ABRA-3816A-003)

The abrasive blasting equipment associated with this section of the permit consists of the following emission units: ABRA-CB125-012, ABRA-CB125-023, and ABRA-3816A-003.

A. Limitations

1. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Limitations - Approved Media -** The approved media for the abrasive blast booths (Ref. Nos. ABRA-CB125- 012 and ABRA-CB125-023) is steel grit blasting media. A change in the blasting media may require a permit to modify and operate.
(9VAC5-80-110, 5-50-260, and Condition 2 of the 11/09/15 SOP)

2. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Limitations - Emission Controls -** Particulate emissions from each abrasive blasting booth (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023) shall be controlled by two (2) baghouses. Each baghouse shall be provided with adequate access for inspection and shall be in operation when abrasive blasting is taking place.
(9VAC5-80-110, 5-50-260, and Condition 3 of the 11/09/15 SOP)

3. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Limitations - Throughput -** The throughput of new steel grit blasting media for the abrasive blasting booths (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023), combined, shall not exceed 30,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 4 of the 11/09/15 SOP)

4. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Limitations - Process Emission Limits -** Emissions from the operation of the abrasive blasting booths (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023), combined, shall not exceed the limits specified below:

Total Particulate Matter (PM)	1.9 tons/yr
PM-10	0.9 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, 3, and 5.
(9VAC5-80-110, 5-50-260, and Condition 5 of the 11/09/15 SOP)

5. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Limitations - Visible Emission Limit -** Visible emissions from each baghouse exhaust for the abrasive blasting booths (Ref. Nos. STABRA-CB125-001 through 004) shall not exceed 5% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110, 5-50-260, and Condition 6 of the 11/09/15 SOP)

6. **Abrasive Blasting Operations Requirements - (ABRA-3816A-003) - Limitations - Visible Emission Limit -** Visible emissions from the fabric filter exhaust for the LCAC indoor abrasive blasting operation (Ref. No. STABRA-3816A-003) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction. (9VAC5-80-110 and 9VAC5-50-80)

B. Monitoring

7. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Monitoring - Visible Emissions Observations/Evaluations - The** permittee shall perform monthly visual observations on each baghouse stack exhaust for each abrasive blasting booth (Ref. Nos. STABRA-CB125-001 through 004) during normal operating conditions and daylight hours to determine compliance with the opacity limit. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds ½ the opacity limit, the VEE shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds the opacity limit, the VEE shall continue for one hour from initiation on the baghouse stack to determine compliance with the opacity limit. Records of visual observations shall include the following:

   a. The name of the observer,

   b. The date and time of the observation,

   c. Identification of the stack,

   d. An indication that the process was operating,

   e. An indication of the presence or absence of visible emissions,

   f. The duration of any visible emission incident, and

   g. Any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

   If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A). (9VAC5-80-110 E)

C. Recordkeeping

8. **Abrasive Blasting Operations Requirements - (ABRA-CB125- 012 and ABRA-CB125-023) - Recordkeeping -** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of new steel grit blasting media (in tons) for the abrasive blasting booths (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023), combined, calculated monthly for the latest 12-consecutive month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

b. Records of the following items for each abrasive blasting booth baghouse stack exhaust (Ref. Nos. STABRA-CB125-001 through 004):

   i. Records of monthly visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication that the process was operating, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

   ii. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110 and Condition 7 of the 11/09/15 SOP)

IV. Fuel Burning Equipment Requirements (Group I, II, III and IV Boilers)

The boilers associated with this section of the permit consist of the following emission units:

Unit ID	Rated Capacity	Use/Fuel Type		Unit ID	Rated Capacity	Use/Fuel Type
Group I Boilers						
BOIL-777-001	76.2 MMBtu/hr	Distillate Oil / Natural Gas		BOIL-777-003	75.6 MMBtu/hr	Distillate Oil / Natural Gas
BOIL-777-002	80.0 MMBtu/hr	Distillate Oil / Natural Gas		BOIL-777-004	75.6 MMBtu/hr	Distillate Oil / Natural Gas
Group II Boilers						
BOIL-3511-007	0.35 MMBtu/hr	Distillate Oil				
Group III Boilers						
BOIL-1602-009	< 10 MMBtu/hr	Natural Gas		BOIL-3363-024	< 10 MMBtu/hr	Natural Gas
BOIL-1602-010	< 10 MMBtu/hr	Natural Gas		BOIL-3364-025	< 10 MMBtu/hr	Natural Gas
BOIL-3445-011	< 10 MMBtu/hr	Natural Gas		BOIL-3408-026	< 10 MMBtu/hr	Natural Gas
BOIL-3445-012	< 10 MMBtu/hr	Natural Gas		BOIL-3430-027	< 10 MMBtu/hr	Natural Gas
BOIL-3049A-013	< 10 MMBtu/hr	Natural Gas		BOIL-3445-028	< 10 MMBtu/hr	Natural Gas
BOIL-3049A-014	< 10 MMBtu/hr	Natural Gas		BOIL-3505-029	< 10 MMBtu/hr	Natural Gas
BOIL-3056-021	< 10 MMBtu/hr	Natural Gas		BOIL-3690-030	< 10 MMBtu/hr	Natural Gas
BOIL-3129-022	< 10 MMBtu/hr	Natural Gas		BOIL-3854-031	< 10 MMBtu/hr	Natural Gas
BOIL-3147-023	< 10 MMBtu/hr	Natural Gas				
Group IV Boilers						
OCOM-CB301-025	0.185 MMBtu/hr	Used Oil		OCOM-CB301-026	0.185 MMBtu/hr	Used Oil

A. Limitations

9. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Fuel -** The approved fuels for the four Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) are distillate oil and natural gas. A change in the fuel may require a permit to modify and operate.
(9VAC5-80-110 and Condition 8 of the 11/09/15 SOP)

10. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Fuel -** The distillate oil for the Group I boilers (BOIL-777-001, 002, 003, and 004) shall meet the specifications below:

    DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

    Maximum sulfur content per shipment: 0.2%
    (9VAC5-80-110 and Condition 9 of the 11/09/15 SOP)

11. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Fuel Throughput -** The Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), combined, shall consume no more than 17,000,000 gallons of distillate oil and 2,600,000,000 cubic feet of natural gas per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC 5-80-110 and Condition 10 of the 11/09/15 SOP)

12. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Emission Controls -** NOx emissions from the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall be controlled by each boiler being equipped with low NOx burners and a flue gas re-circulation system. The low NOx burners and flue gas re-circulation system shall be in operation when each boiler is operating.
(9VAC5-80-110 and Condition 11 of the 11/09/15 SOP)

13. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, the four Group I (NSPS) boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall be operated in compliance with the requirements of 40 CFR 60, Subpart Dc. The permittee should refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit. (9VAC5-80-110, 9VAC5-50-400, 9VAC5-50-410, and Condition 12 of the 11/09/15 SOP)

14. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Process Emission Limits -** Emissions from the operation of the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall not exceed the limits specified below:

	Each	Combined
Particulate Matter	2.3 lbs/hr	36.2 tons/yr
PM-10	1.3 lbs/hr	21.1 tons/yr
Sulfur Dioxide	15.6 lbs/hr	241.6 tons/yr
Nitrogen Oxides (as NO_2)	7.2 lbs/hr	118.6 tons/yr
Carbon Monoxide	5.9 lbs/hr	96.1 tons/yr
Volatile Organic Compounds	0.4 lbs/hr	7.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 9 through 12 and 15.
(9VAC5-80-110 and Condition 13 of the 11/09/15 SOP)

15. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Limitations - Visible Emission Limit -** Visible emissions from each of the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall not exceed 10% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110, 9VAC5-50-260, 9VAC5-50-400, 9VAC5-50-410, and Condition 14 of the 11/09/15 SOP)

16. **Fuel Burning Equipment Requirements - (New or Existing Liquid Fuel-Fired Boilers) - Limitations - MACT, Subpart DDDDD** - The permittee shall comply with the applicable limitations of 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) for each new or existing liquid fuel-fired boiler (as defined in §63.7490 and §63.7575) as follows:

    a. Compliance with 40 CFR 63, Subpart DDDDD shall be achieved by the dates specified in §63.7495.

    b. For existing units: The permittee shall comply with the applicable emission limits (Table 2), work practice standards (Table 3), and operating limits (Table 4) in 40 CFR 63.7500. These standards apply at all time the affected unit is operating, except during periods of start up and shutdown during which time you must comply only with Table 3.

    c. For new units: The permittee shall comply with the applicable emission limits (Table 1), work practice standards (Table 3), and operating limits (Table 4) in 40 CFR 63.7500. These standards apply at all time the affected unit is operating, except during periods of start up and shutdown during which time you must comply only with Table 3.

    d. The permittee shall comply with the applicable general compliance requirements in §63.7505.

    e. The permittee shall comply with the applicable initial compliance requirements in §63.7510 and §63.7530.

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.7495, 63.7500, 63.7505, 63.7510, and 63.7530)

17. **Fuel Burning Equipment Requirements - (New and Existing Gas 1 (Natural Gas or Liquefied Petroleum Gas) -Fired Boilers) - Limitations - MACT, Subpart DDDDD -** The permittee shall comply with the applicable limitations of 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) for each new or existing gas 1-fired boiler (as defined in §63.7490 and §63.7575) as follows:

    a. Compliance with 40 CFR 63, Subpart DDDDD shall be achieved by the dates specified in §63.7495.

    b. For existing units: The permittee shall comply with the applicable work practice standards in Table 3 (one-time energy assessment) and tune-up requirements in 40 CFR 63.7500(e). Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13, or the operating limits in Table 4.

    c. For new units: The permittee shall comply with the applicable tune-up requirements in 40 CFR 63.7500(e). Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13, or the operating limits in Table 4.

    d. The permittee shall comply with the applicable general compliance requirements in §63.7505.

    e. The permittee shall comply with the applicable initial compliance requirements in §63.7510 and §63.7530.

    (9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100 and 40 CFR 63.7495, 63.7500, 63.7505, 63.7510, and 63.7530)

B. Testing and Monitoring

18. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Testing and Monitoring - Fuel Certification -** The permittee shall obtain a certification from the fuel supplier for each shipment of distillate oil delivered TNKA-NAB778-001 for use by the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004). Each fuel supplier certification shall include the following:

    a. The name of the fuel supplier;

    b. The date on which the distillate oil was received;

    c. The volume of distillate oil delivered in the shipment;

    d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for numbers 1 or 2 fuel oil; and

    e. For the distillate oil delivered for the Group I boilers: The sulfur content of the distillate oil.

    Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition number 10. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.
    (9VAC5-80-110, 9VAC5-50-400, 9VAC5-50-410, and Condition 15 of the 11/09/15 SOP)

19. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Testing and Monitoring - Visible Emissions Observations/Evaluations -** The permittee shall perform monthly visual observations on each Group I boiler stack (Ref. Nos. STBOIL-777-001 through 004) during normal operating conditions and daylight hours to determine compliance with the opacity standard. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE opacity average exceeds 5%, the VEE shall continue for an additional 12 minutes. If any of the six minute averages during the 18 minutes exceeds 10%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following:

    a. The name of the observer,

    b. The date and time of the observation,

    c. Identification of the stack

    d. An indication that the process was operating,

    e. An indication of the presence or absence of visible emissions,

    f. The duration of any visible emission incident, and

    g. Any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

    If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A). (9VAC5-80-110 E)

20. **Fuel Burning Equipment Requirements - (New and Existing Liquid Fuel-Fired Boilers) - Testing and Monitoring - MACT, Subpart DDDDD -** The permittee shall comply with the applicable testing and monitoring requirements of 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) for each new or existing liquid fuel-fired boiler (as defined in §63.7490 and §63.7575), as follows:

    a. The permittee shall comply with the applicable performance testing, fuel analysis, and tune-up requirements in §63.7515.

    b. The permittee shall comply with the performance testing procedures in §63.7520.

    c. The permittee shall comply with the applicable fuel analysis and fuel specification requirements in §63.7521

    d. If emissions averaging is chosen as an alternative to meeting the requirements of §63.7500 for PM (or TSM), HCl, or mercury on a boiler or process heater basis, the permittee shall comply with the applicable emissions averaging requirements in §63.7522.

    e. The permittee shall comply with the applicable monitoring, installation, operation, and maintenance requirements in §63.7525.

    f. The permittee shall comply with the applicable monitoring data collection requirements in 63.7535.

    g. The permittee shall comply with the applicable continuous compliance requirements in §63.7540 and §63.7541 (if applicable).

    (9VAC5-80-110, 9VAC5-60-100, and 40 CFR 63.7505, 63.7510, 63.7515, 63.7520, 63.7521, 63.7522, 63.7525, 63.7530, 63.7535, 63.7540, and 63.7541)

21. **Fuel Burning Equipment Requirements - (New and Existing Gas 1 (Natural Gas or Liquefied Petroleum Gas) -Fired Boilers) - Testing and Monitoring - MACT, Subpart DDDDD -** The permittee shall comply with the applicable testing and monitoring requirements of 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) for each new or existing gas 1-fired boiler (as defined in §63.7490 and §63.7575) as follows:

    a. The permittee shall comply with the applicable tune-up requirements in §63.7515.

    b. The permittee shall comply with the applicable continuous compliance requirements in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in §63.7540(a)(12). Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in §63.7540(a)(11). Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of 10 million Btu per hour or greater must complete a tune-up each year, as specified in §63.7540(a)(10).

(9VAC5-80-110, 9VAC5-60-100, and 40 CFR 63.7515 and 63.7540)

C. Notifications, Recordkeeping, and Reporting

22. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Notifications, Recordkeeping, and Reporting -** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged the Director, Tidewater Regional Office. These records shall include, but are not limited to:

    a. For each of the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), the monthly and annual throughput of distillate oil (in gallons) and natural gas (in cubic feet). Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

    b. The annual throughput of distillate oil (in gallons) and natural gas (in cubic feet) for the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

    c. All fuel supplier certifications for the distillate oil delivered for the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), as required by Condition 18.

    d. Records of the following items for each Group I boiler stack:

        i. Records of monthly visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication that the process was operating, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

        ii. Each Method 9 visible emissions evaluation performed.

    These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
(9VAC5-80-110, 9VAC5-50-410, 9VAC5-50-50, and Condition 16 of the 11/09/15 SOP)

23. **Fuel Burning Equipment Requirements - (New and Existing Liquid Fuel-Fired Boilers) - Notifications, Recordkeeping, and Reporting - MACT, Subpart DDDDD -** The permittee shall comply with the applicable notification, recordkeeping, and reporting requirements of 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) for each new or existing liquid fuel-fired boiler (as defined in §63.7490 and §63.7575), as follows:

    a. The permittee shall comply with the applicable notification requirements in §63.7545.

    b. The permittee shall comply with the applicable reporting requirements in §63.7550.

    c. The permittee shall comply with the applicable recordkeeping requirements in §63.7555 and §63.7560.

    (9VAC5-80-110, 9VAC5-60-100, and 40 CFR 63.7545, 63.7550, 63.7555, and 63.7560)

24. **Fuel Burning Equipment Requirements - (New and Existing Gas 1 (Natural Gas or Liquefied Petroleum Gas) -Fired Boilers) - Notifications, Recordkeeping, and Reporting - MACT, Subpart DDDDD -** The permittee shall comply with the applicable notification, recordkeeping, and reporting requirements of 40 CFR 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) for each new or existing gas 1-fired boiler (as defined in §63.7490 and §63.7575), as follows:

    a. The permittee shall comply with the applicable notification requirements in §63.7545.

    b. The permittee shall comply with the applicable reporting requirements in §63.7550.

    c. The permittee shall comply with the applicable recordkeeping requirements in §63.7555 and §63.7560.

    (9VAC5-80-110, 9VAC5-60-100, and 40 CFR 63.7545, 63.7550, 63.7555, and 63.7560)

25. **Fuel Burning Equipment Requirements (BOIL-777-001, 002, 003, and 004) - Notifications, Recordkeeping, and Reporting -** The permittee shall submit fuel quality reports to the Director, Tidewater Regional Office postmarked no later than the 30th day following the end of each semi-annual period ending June 30th and December 31st. If no shipments of distillate oil were received for TNKA-NAB778-001 during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no distillate oil was received for the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) during the semi-annual period. If distillate oil was received during the reporting period, the report shall include:

    a. The dates included in the semi-annual period;

    b. A copy of all fuel supplier certifications for all shipments of distillate oil received for the Group I boilers during the semi-annual period, indicating the supplier, volume of shipment, sulfur content, and date the shipment was received; and

    c. A signed statement from the owner or operator of the facility that the fuel supplier certifications represent all of the distillate oil burned by the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) or delivered to TNKA-NAB778-001 for use by the Group I boilers.

    One copy of the semi-annual report shall be submitted to:

    Associate Director
    Office of Air Enforcement (3AP10)
    U.S. Environmental Protection Agency, Region III
    1650 Arch Street
    Philadelphia, PA 19103-2029
    (9VAC5-80-110, 9VAC5-50-50, 9VAC5-50-410, and Condition 17 of the 11/09/15 SOP)

V. Engine/Generator Requirements

The internal combustion engines associated with this section of the permit consist of the following emission units:

Applicable Federal Requirement(s)	Unit ID	Date of Manufacture (If Known)	Date of Installation (If Known)	Rated Capacity	Use/Fuel Type	Status Under MACT ZZZZ
MACT ZZZZ	ICGF-108-001	2001	2001	40 kW	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-115-058	2004	After 11/1/2006	20 kW 27 HP	Emergency/Diesel	NER ≤ 500 hp
NSPS JJJJ MACT ZZZZ	ICGF-123-001	2010		150 kW	Emergency/Natural Gas	NER ≤ 500 hp
MACT ZZZZ	ICGF-752-036	1991	Before August 1997	250 kW 335 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ*	ICGF-773-039	1994	1994	1600 kW 2146 HP	Emergency/Diesel	EER > 500 hp
MACT ZZZZ*	ICGF-774-040	1994	1994	1600 kW 2146 HP	Emergency/Diesel	EER > 500 hp
MACT ZZZZ*	ICGF-777-037	1987	Before August 1997	725 kW 1220 HP	Emergency/Diesel	EER > 500 hp
NSPS IIII MACT ZZZZ	ICGF-1126-042	2013		180 kW 241 HP	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ	ICGF-1166-043	2005	10/24/2005	100 kW 134 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ**	ICGF-1265-049	2006		600 kW 805 HP	Emergency/Diesel	NER > 500 hp
NSPS IIII MACT ZZZZ**	ICGF-1265-053	2005	After 1/1/2005	500 kW 671 HP	Emergency/Diesel	NER > 500 hp
NSPS IIII MACT ZZZZ**	ICGF-1265-059	2005	7/12/2006	500 kW 671 HP	Emergency/Diesel	NER > 500 hp
MACT ZZZZ	OCOM-1501-012	1981	Before August 1997	75 kW 101 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	OCOM-1518-017	2001	After 1/1/2001	150 kW 201 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-1522-001	-		20 kW	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ	ICGF-1555-001	2004		20 kW 27 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-1558-001	1998		35 kW	Emergency/Propane	EER ≤ 500 hp
MACT ZZZZ	ICGF-1609-041	1996	Before August 1997	100 kW 134 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-1618-001	2003		300 kW 402 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-1625-001	2010		40 kW 54 HP	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ	ICGF-2000-057	2003		125 kW 168 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-2083-063	2000	After 1/1/2003	25 kW 34 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-2115-001	2010		80 kW 107 HP	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ	ICGF-3006-048	2004	After 12/1/2003	30 kW 40 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-3075-060	2005	After August 2005	100 kW 134 HP	Emergency/Natural Gas	EER ≤ 500 hp

Applicable Federal Requirement(s)	Unit ID	Date of Manufacture (If Known)	Date of Installation (If Known)	Rated Capacity	Use/Fuel Type	Status Under MACT ZZZZ
NSPS IIII MACT ZZZZ	ICGF-3144-001	2012		62 kW	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ NSPS IIII	ICGF-3150-049	2008		60 kW 81 HP	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ	ICGF-3165-004	1970	Before August 1997	75 kW 101 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-3293-066	1989		35 kW 47 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-3400-001	2010		30 kW 40 HP	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ	ICGF-3445-067	1992	After 1/1/1992	250 kW 335 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS JJJJ MACT ZZZZ	ICGF-3501-002	2008		150 kW	Emergency/Natural Gas	NER ≤ 500 hp
NSPS JJJJ MACT ZZZZ	ICGF-3504-001	2008		150 kW	Emergency/Natural Gas	NER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-3505-007	2013		100 kW 134 HP	Emergency/Diesel	NER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-3505-008	2013		60 kW 81 HP	Emergency/Diesel	NER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-3509-001	2011		515 kW 691 HP	Emergency/Natural Gas	NER > 500 hp
NSPS IIII MACT ZZZZ	ICGF-3520-001	2006		135 kW	Emergency/Diesel	NER ≤ 500 hp
MACT ZZZZ**	ICGF-3539-064	1/4/2006	After 1/4/2006	450 kW 604 HP	Emergency/Natural Gas	NER > 500 hp
MACT ZZZZ	ICGF-3708B-069	2004	11/28/2005	100 kW 134 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-3808-065	2006	6/24/2006	75 kW 107 HP	Emergency/Natural Gas	EER ≤ 500 hp
MACT ZZZZ	ICGF-3823-032	1986	Before August 1997	365 kW 551 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-3841-068	11/30/2006	After 11/30/2006	75 kW 101 HP	Emergency/Natural Gas	NER ≤ 500 hp
MACT ZZZZ	ICGF-3842-001	2005		75 kW	Emergency/Natural Gas	NER ≤ 500 hp
MACT ZZZZ	ICGF-3848-033	2004		60 kW 81 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-3854-001	1997		200 kW 233 HP	Emergency/Natural Gas	EER ≤ 500 hp
MACT ZZZZ	ICGF-3854-002	2006		215 kW 336 HP	Emergency/Natural Gas	EER ≤ 500 hp
-	OCOM-3872-010	1999		190 hp	Non-Emergency Training/Diesel	
-	OCOM-3872-011	1999		190 hp	Non-Emergency Training/Diesel	
-	OCOM-3872-019	1999		75 hp	Non-Emergency Training/Diesel	
-	OCOM-3872-020	1999		135 hp	Non-Emergency Training/Diesel	
MACT ZZZZ	OCOM-3879-023	1976	Before August 1997	100 kW 134 HP	Emergency/Diesel	EER ≤ 500 hp

Applicable Federal Requirement(s)	Unit ID	Date of Manufacture (If Known)	Date of Installation (If Known)	Rated Capacity	Use/Fuel Type	Status Under MACT ZZZZ
MACT ZZZZ	ICGF-3889-001	2006		75 kW	Emergency/Natural Gas	NER ≤ 500 hp
NSPS JJJJ MACT ZZZZ	ICGF-3889-002	2012		250 kW	Emergency/Natural Gas	NER ≤ 500 hp
MACT ZZZZ	ICGF-3892-035	2005		125 kW 168 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	OCOM-5000-024	1995	Before August 1997	55 kW 74 HP	Emergency/Diesel	EER ≤ 500 hp
NSPS JJJJ MACT ZZZZ	ICGF-5326-001	2010		?	Emergency/Natural Gas	NER ≤ 500 hp
MACT ZZZZ	ICGF-MAGAZINE-056	2003	After 1/1/2003	30 kW 40 HP	Emergency/Diesel	EER ≤ 500 hp
MACT ZZZZ	ICGF-PIER35-054	2004	After 12/1/2003	40 kW	Emergency/Diesel	EER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-L3-TRITON	2007		1000 kW 1350 HP	Non-Emergency/Diesel	NNER > 500 hp
NSPS IIII MACT ZZZZ	ICGF-L3-MTU	2011		550 kW 815 HP	Non-Emergency/Diesel	NNER > 500 hp
NSPS III MACT ZZZZ	ICGF-L3-WACKER	2006		125 kW 150 HP	Non-Emergency/Diesel	NNER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-Oceaneering-WACKER	2007	August 2014	38 kW 67 HP	Non-Emergency/Diesel	NNER ≤ 500 hp
NSPS IIII MACT ZZZZ	ICGF-Oceaneering-GENERAC	2015	7/29/2015	60 kW 92 HP	Non-Emergency/Diesel	NNER ≤ 500 hp

EER = Existing Emergency RICE
NER = New Emergency RICE
ENER = Existing Non-Emergency RICE
NNER = New Non-Emergency RICE

* Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) do not have to meet the requirements of 40 CFR 63, Subpart ZZZZ or 40 CFR 63, Subpart A, including initial notification requirement. However, emergency stationary RICE must operate according to the conditions in 40 CFR 63.6640(f)(1) through (3) to be considered "emergency" under this subpart (please see Condition A.48).

** New emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) do not have to meet the requirements of 40 CFR 63, Subpart ZZZZ or 40 CFR 63, Subpart A, except for the initial notification requirements of 40 CFR 63.6645(f). However, emergency stationary RICE must operate according to the conditions in 40 CFR 63.6640(f)(1) through (3) to be considered "emergency" under this subpart (please see Condition A.42).

A. Limitations

26. **Engine/Generator Requirements - (OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, ICGF-1265-059, ICGF-773-039 and ICGF-774-040) - Limitations - Fuel -** The approved fuel for engines/generators OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, ICGF-1265-059, ICGF-773-039, and ICGF-774-040 is distillate oil. A change in the fuel may require a permit to modify and operate.
(9VAC5-80-110 and Conditions 18 and 22 of the 11/09/15 SOP)

27. **Engine/Generator Requirements - (OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, and ICGF-1265-053, ICGF-773-039, and ICGF-774-040) - Limitations - Fuel -** The distillate oil for engines/generators OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, ICGF-773-039, and ICGF-774-040 shall meet the specifications below:

    DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

    Maximum sulfur content per shipment: 0.5%

    (9VAC5-80-110, 9VAC5-50-260, and Conditions 19 and 23 of the 11/09/15 SOP)

28. **Engine/Generator Requirements - (ICGF-1265-059) - Limitations - Fuel -** The distillate oil for generator ICGF-1265-059 shall meet the specifications below:

    DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

    Maximum sulfur content per shipment: 0.0015%

    (9VAC5-80-110, 9VAC5-50-260, and Condition 20 of the 11/09/15 SOP)

29. **Engine/Generator Requirements - (OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059) - Limitations - Fuel Throughput -** Engines/generators OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059, combined, shall consume no more than 78,705 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 21 of the 11/09/15 SOP)

30. **Engine/Generator Requirements - (ICGF-773-039 and ICGF-774-040) - Limitations - Fuel Throughput -** Generators ICGF-773-039 and ICGF-774-040, combined, shall consume no more than 160,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-110 and Condition 24 of the 11/09/15 SOP)

31. **Engine/Generator Requirements - (ICGF-773-039 and ICGF-774-040) - Limitations - Emission Controls -** Nitrogen oxide emissions from each generator (Ref. Nos. ICGF-773-039 and ICGF-774-040) shall be controlled by retarding the fuel injection timing by four (4) degrees from standard timing.
(9VAC5-80-110, 9VAC5-50-260, and Condition 25 of the 11/09/15 SOP)

32. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Emission Controls** - Visible emissions, particulate emissions, and nitrogen oxides (NOx) emissions from the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) shall be controlled by the use of good operating practices and performing appropriate scheduled engine maintenance in accordance with the manufacturer recommendations.
(9VAC5-80-110, 9VAC5-50-260, and Condition 26 of the 11/09/15 SOP)

33. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Operation of the Non-Emergency Generators** - The permittee shall operate and maintain each of the diesel engines used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer. In addition, the permittee may only change those settings that are permitted by the manufacturer and that do not increase air emissions.
(9VAC5-80-110 and Condition 27 of the 11/09/15 SOP)

34. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Generator Engine Fuel** - The approved fuel for the engines used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) is diesel fuel. The diesel fuel shall meet the ASTM D975 specification for diesel fuel oil with a maximum sulfur content per shipment of 0.0015%. A change in the fuel may require a permit to modify and operate.
(9VAC5-80-110 and Condition 28 of the 11/09/15 SOP)

35. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Generator Engine Fuel Throughput** - The diesel engines used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC), <u>combined</u>, shall consume no more than 130,500 gallons of diesel fuel per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. The permittee shall demonstrate compliance with this fuel throughput limit by tracking the monthly quantities of fuel delivered for use in the stationary non-emergency generators listed in this Condition.
(9VAC5-80-110 and Condition 29 of the 11/09/15 SOP)

For the engines and generators listed in the table at the beginning of Section V as applicable to 40 CFR 60, Subpart IIII:

36. **Engine/Generator Requirements - Limitations - NSPS IIII -** The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) as follows:

    a. The permittee shall comply with the applicable emission standards in 40 CFR 60.4204 (for non-emergency engines) and 60.4205 (for emergency engines).

    b. The permittee shall comply with the applicable fuel requirements in 40 CFR 60.4207.

    c. The permittee shall comply with the applicable monitoring requirements in 40 CFR 60.4209.

    d. The permittee shall comply with the applicable compliance requirements in 40 CFR 60.4211.

e. The permittee shall comply with the applicable testing requirements in 40 CFR 60.4212 and 40 CFR 60.4213

f. The permittee shall comply with the applicable notification, reporting, and recordkeeping requirements in 40 CFR 60.4214.

g. The permittee shall comply with the applicable requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart IIII.

The permittee shall refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit.
(9VAC5-80-110, 9VAC5-50-400, 9VAC5-50-410, 40 CFR 60 Subpart IIII, 40 CFR 60.4204, 60.4205, 40 CFR 60.4207, 40 CFR 60.4209, 40 CFR 60.4211, 40 CFR 60.4212, 40 CFR 60.4213, 40 CFR 60.4214, and 40 CFR 60.4218)

For the engines and generators listed in the table at the beginning of Section V as applicable to 40 CFR 63, Subpart ZZZZ:

37. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** The permittee shall comply with the applicable requirements of 40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). The permittee shall refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit. (9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63, Subpart ZZZZ)

38. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All new or reconstructed non-emergency compression ignition (CI) stationary RICE with a site rating of more than 500 brake HP shall be in compliance with 40 CFR 63, Subpart ZZZZ upon start-up. These units shall comply with the following requirements, as applicable:

a. Emission limitations and operating requirements in 40 CFR 63.6600 (Tables 2a and 2b).

b. General compliance requirements in 40 CFR 63.6605.

c. Testing requirements in 40 CFR 63.6610, 63.6615, 63.6620 (Tables 3, 4, and 5).

d. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(a), (b), (h), and (k).

e. Initial compliance requirements in 40 CFR 63.6630 (Table 5).

f. Continuous compliance requirements in 40 CFR 63.6635 and 63.6640.

g. Notification requirements in 40 CFR 63.6645.

h. Reporting requirements in 40 CFR 63.6650 (except (g)).

i. Recordkeeping requirements in 40 CFR 63.6655 (except (c), (e), and (f)) and 63.6660.

j. Requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart ZZZZ.

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6600, 63.6605, 63.6610, 63.6615, 63.6620, 63.6625, 63.6630, 63.6635, 63.6640, 63.6645, 63.6650, 63.6655, and 63.6660)

39. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All existing non-emergency compression ignition (CI) stationary RICE with a site rating of less than 100 brake HP shall be in compliance with 40 CFR 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the following requirements, as applicable:

a. Emission limitations in 40 CFR 63.6602 (Table 2c).

b. General compliance requirements in 40 CFR 63.6605.

c. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(e), (h), and (i).

d. Continuous compliance requirements in 40 CFR 63.6640.

e. Recordkeeping requirements in 40 CFR 63.6655 (except (c) and (f)) and 63.6660.

f. Requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart ZZZZ (except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h)).

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6602, 63.6605, 63.6625, 63.6630, 63.6640, 63.6655, and 63.6660)

40. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All existing non-emergency compression ignition (CI) stationary RICE with a site rating of greater than or equal to 100 brake HP and less than or equal to 500 brake HP shall be in compliance with 40 CFR 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the following requirements, as applicable:

a. Emission limitations in 40 CFR 63.6602 (Table 2c).

b. Fuel requirements in 40 CFR 63.6604(a) (for engines greater than 300 HP and with a displacement of less than 30 liters per cylinder).

c. General compliance requirements in 40 CFR 63.6605.

d. Testing requirements in 40 CFR 63.6612 and 63.6620 (Tables 4 and 5).

e. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(h); for engines greater than or equal to 300 HP, 63.6625(g).

f. Initial compliance requirements in 40 CFR 63.6630 (Table 5).

g. Continuous compliance requirements in 40 CFR 63.6640.

h. Notification requirements in 40 CFR 63.6645.

i. Reporting requirements in 40 CFR 63.6650 (except (g)).

j. Recordkeeping requirements in 40 CFR 63.6655 (except (c), (e), and (f)) and 63.6660.

k. Requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart ZZZZ.

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6602, 63.6604, 63.6605, 63.6612, 63.6620, 63.6625, 63.6630, 63.6640, 63.6645, 63.6650, 63.6655, and 63.6660)

41. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All existing non-emergency compression ignition (CI) stationary RICE with a site rating of greater than 500 brake HP shall be in compliance with 40 CFR 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the following requirements, as applicable:

a. Emission limitations and operating requirements in 40 CFR 63.6600(d) (Tables 2b and 2c).

b. Fuel requirements in 40 CFR 63.6604(a) (for engines greater than 300 HP and with a displacement of less than 30 liters per cylinder).

c. General compliance requirements in 40 CFR 63.6605.

d. Testing requirements in 40 CFR 63.6610, 63.6615 and 63.6620 (Tables 3, 4 and 5).

e. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(a), (b), (g), and (h).

f. Initial compliance requirements in 40 CFR 63.6630 (Table 5).

g. Continuous compliance requirements in 40 CFR 63.6635 and 63.6640.

h. Notification requirements in 40 CFR 63.6645.

i. Reporting requirements in 40 CFR 63.6650 (except (g)).

j. Recordkeeping requirements in 40 CFR 63.6655 (except (c), (e), and (f)) and 63.6660.

k. Requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart ZZZZ.

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6600, 63.6604, 63.6605, 63.6610, 63.6615, 63.6620, 63.6625, 63.6630, 63.6635, 63.6640, 63.6645, 63.6650, 63.6655, and 63.6660)

42. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** New or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) do not have to meet the requirements of 40 CFR 63, Subpart ZZZZ or 40 CFR 63, Subpart A, except for the initial notification requirements of 40 CFR 63.6645(f). However, emergency stationary RICE must operate according to the conditions in 40 CFR 63.6640(f)(1) through (3) to be considered "emergency" under this subpart. Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 63.6640(f)(1) through (3) is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under 40 CFR 63, Subpart ZZZZ and must meet all requirements for non-emergency engines. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6590(b)(1)(i), 63.6605(b), 63.6640(f)(1) through (3), and 63.6645(f))

43. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP shall meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII, as applicable. No further requirements apply for such engines under 40 CFR 63, Subpart ZZZZ.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6590(c), and 40 CFR 60.4200)

44. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All new or reconstructed spark ignition (SI) stationary RICE with a site rating of less than or equal to 500 brake HP shall meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart JJJJ, as applicable. No further requirements apply for such engines under 40 CFR 63, Subpart ZZZZ.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6590(c), and 40 CFR 60.4230)

45. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All existing emergency compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 hp shall be in compliance with 40 CFR 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the following requirements, as applicable:

a. Emission limitations in 40 CFR 63.6602 (Table 2c).

b. Fuel requirements in 40 CFR 63.6604(b) (for existing emergency CI engines with a site rating of 100 hp and a displacement of less than 30 liters per cylinder that use diesel fuel and operate or are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operate for the purpose specified in §63.6640(f)(4)(ii)).

c. General compliance requirements in 40 CFR 63.6605.

d. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(e), (f), (h), and (i).

e. Continuous compliance requirements in 40 CFR 63.6640.

f. Recordkeeping requirements in 40 CFR 63.6655 (except (c)) and 63.6660.

g. Reporting requirements as specified in Footnote 1 of Table 2c and 63.6650(h) (for emergency CI engines with a site rating of more than 100 hp that operate or are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operate for the purpose specified in §63.6640(f)(4)(ii)).

h. Requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart ZZZZ, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6602, 63.6604, 63.6605, 63.6625, 63.6640, 63.6645, 63.6650, 63.6655, and 63.6660)

46. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All existing emergency compression ignition (CI) stationary RICE with a site rating of greater than 500 hp shall be in compliance with 40 CFR 63, Subpart ZZZZ by June, 15, 2007. These units shall comply with the following requirements, as applicable:

a. Fuel Requirements in 40 CFR 63.6604(b) for emergency CI engines with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that use diesel fuel and operate or are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) or that operate for the purpose specified in § 63.6640(f)(4)(ii).

b. Continuous compliance requirements in 40 CFR 63.6605(a) and (b).

c. Compliance demonstration in accordance with 40 CFR 63.6640(f)(1)-(4)

d. Reporting requirements as specified in 40 CFR 63.6650(h) (for emergency CI engines with a site rating of more than 100 hp that operate or are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operate for the purpose specified in §63.6640(f)(4)(ii))

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6604, 63.6605, 63.6640 and 63.6650)

47. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** All existing emergency spark ignition (SI) stationary RICE with a site rating of less than or equal to 500 hp shall be in compliance with 40 CFR 63, Subpart ZZZZ by October 19, 2013. These units shall comply with the following requirements, as applicable:

a. Emission limitations in 40 CFR 63.6602 (Table 2c).

b. General compliance requirements in 40 CFR 63.6605.

c. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(e), (f), (h), and (j).

d. Continuous compliance requirements in 40 CFR 63.6640.

e. Recordkeeping requirements in 40 CFR 63.6655 (except (c)) and 63.6660.

f. Reporting requirements as specified in Footnote 1 of Table 2c and 63.6650(h) (for emergency SI engines with a site rating of more than 100 hp that operate or are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operate for the purpose specified in §63.6640(f)(4)(ii)).

g. Requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart ZZZZ, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6602, 63.6605, 63.6625, 63.6640, 63.6645, 63.6650, 63.6655, and 63.6660)

48. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) do not have to meet the requirements of 40 CFR 63, Subpart ZZZZ or 40 CFR 63, Subpart A, including initial notification requirements. However, emergency stationary RICE must operate according to the conditions in 40 CFR 63.6640(f)(1) through (3) to be considered "emergency" under this subpart. Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 63.6640(f)(1) through (3) is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under 40 CFR 63, Subpart ZZZZ and must meet all requirements for non-emergency engines. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.6590(b)(3)(iii), 63.6605, 63.6640(f)(1) through (3))

49. **Engine/Generator Requirements - Limitations - MACT ZZZZ -** For an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the following compliance dates shall apply:

    a. Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.

    b. Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

    (9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.6595(b))

50. **Engine/Generator Requirements - (OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059) - Limitations - Process Emission Limits -** Emissions from the operation of engines/generators OCOM-3872-010,011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059, combined, shall not exceed the limits specified below:

Particulate Matter (PM)	1.7 tons/yr
PM-10	1.7 tons/yr
Sulfur Dioxide	1.6 tons/yr
Nitrogen Oxides (as NO_2)	24.3 tons/yr
Carbon Monoxide	5.2 tons/yr
Volatile Organic Compounds	1.9 tons/yr

    These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 26, 27, 28, 29 and 53.

    (9VAC5-80-110 and Condition 30 of the 11/09/15 SOP)

51. **Engine/Generator Requirements - (ICGF-773-039 and ICGF-774-040) - Limitations - Process Emission Limits -** Emissions from the operation of generators ICGF-773-039 and ICGF-774-040, combined, shall not exceed the limits specified below:

Particulate Matter (PM)	0.8 tons/yr
PM-10	0.7 tons/yr
Sulfur Dioxide	5.7 tons/yr
Nitrogen Oxides (as NO_2)	35.8 tons/yr
Carbon Monoxide	9.5 tons/yr
Volatile Organic Compounds	0.9 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 26, 27, 30, 31, and 53.
(9VAC5-80-110 and Condition 31 of the 11/09/15 SOP)

52. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Emission Limits** - Total emissions from the diesel engines used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) shall not exceed the limits specified below:

Total Particulate Matter (PM)	2.8 tons/yr
PM-10	2.8 tons/yr
PM-2.5	2.8 tons/yr
Sulfur Dioxide	2.6 tons/yr
Nitrogen Oxides (as NO_2)	39.4 tons/yr
Carbon Monoxide	8.5 tons/yr
Volatile Organic Compounds	3.2 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 32, 33, 34, 35, and 54. (9VAC5-80-110, 9VAC5-50-260, and Condition 32 of the 11/09/15 SOP)

53. **Engine/Generator Requirements - (All Engines/Generators, Except ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Visible Emission Limit -** Visible emissions from each of the engines/generators, except generators ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110, 9VAC5-50-80, and Condition 33 of the 11/09/15 SOP)

54. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Limitations - Visible Emission Limit** - Visible emissions from the exhaust of each diesel engine used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110, 9VAC5-50-260, and Condition 34 of the 11/09/15 SOP)

B. Monitoring

55. **Engine/Generator Requirements - (OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, ICGF-1265-059, ICGF-773-039, and ICGF-774-040) - Monitoring - Fuel Certification -** The permittee shall obtain a certification from the fuel supplier for each shipment of distillate oil delivered for each engine/generator (Ref. Nos. OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, ICGF-1265-059, ICGF-773-039, and ICGF-774-040. Each fuel supplier certification shall include the following:

a. The name of the fuel supplier;

b. The date on which the distillate oil was received;

c. The volume of distillate oil delivered in the shipment;

d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for numbers 1 or 2 fuel oil; and

e. For the distillate oil delivered for generator ICGF-1265-059: The sulfur content of the distillate oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition numbers 27 and 28. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.
(9VAC5-80-110 and Condition 35 of the 11/09/15 SOP)

56. **Engine/Generator Requirements - (ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC) - Monitoring - Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of diesel fuel for the engines used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC). Each fuel supplier certification shall include the following:

a. The name of the fuel supplier;

b. The date on which the diesel fuel was received;

c. The volume of diesel fuel delivered in the shipment;

d. A statement that the diesel fuel complies with ASTM D975; and

e. The sulfur content for the diesel fuel.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ, may be used to determine compliance with the fuel specifications stipulated in Condition 34 of this permit. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.
(9VAC5-80-110 and Condition 36 of the 11/09/15 SOP)

57. **Engine/Generator Requirements - (ICGF-773-039 and ICGF-774-040) - Monitoring - Visible Emissions Observations/Evaluations -** The permittee shall observe each stack for generators ICGF-773-039 and ICGF-774-040 (Stack Ref. Nos. STICGF-773-039 and STICGF-774-040) for visible emissions when the generators are under full load at least once per year. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE opacity average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following:

a. The name of the observer,

b. The date and time of the observation,

c. Identification of the stack

d. An indication that the process was operating,

e. An indication of the presence or absence of visible emissions,

f. The duration of any visible emission incident, and

g. Any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A). (9VAC5-80-110)

58. **Engine/Generator Requirements - (ICGF-773-039 and ICGF-774-040) - Monitoring - Visible Emissions Observations** - The permittee shall observe each stack for generators ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC (Stack Ref. Nos. STICGF-L3-TRITON, STICGF -L3-MTU, STICGF-L3-WACKER, STICGF-Oceaneering-WACKER, and STICGF-Oceaneering-GENERAC) for visible emissions when the generators are under full load at least once per year. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. Records of visual observations shall include the following:

a. The name of the observer,

b. The date and time of the observation,

c. Identification of the stack

d. An indication that the process was operating,

e. An indication of the presence or absence of visible emissions,

f. The duration of any visible emission incident, and

g. Any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.
(9VAC5-80-110)

C. Recordkeeping

59. **Engine/Generator Requirements - (All Units) - Recordkeeping -** The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

a. The annual throughput of distillate oil (in gallons) for engines/generators OCOM-3872-010,011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059, combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

b. The annual throughput of distillate oil (in gallons) for generators ICGF-773-039 and ICGF-774-040, combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

c. The annual throughput of diesel fuel (in gallons) consumed by the engines used to operate the stationary non-emergency generators (Ref. Nos. ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. The permittee shall demonstrate compliance with this fuel throughput limit by tracking the monthly quantities of fuel delivered for use in the stationary non-emergency generators;

d. All fuel supplier certifications for the distillate oil/diesel fuel delivered for the engines/generators, as required by Conditions 55 and 56.

e. Information on each stationary non-emergency generator set (Ref. Nos. ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC), including the engine make, model, serial number, model year, maximum engine power (bhp), and engine displacement, and the generator's rated electrical power output (kW); and

f. The manufacturer's written operating instructions or procedures developed by the owner/operator that is approved by the engine manufacturer for each stationary non-emergency generator (Ref. Nos. ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC).

g. Records as necessary to demonstrate compliance with 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ for the engines and generators listed in the table at the beginning of Section V as applicable to these subparts.

h. Records of the following items for each generator stack:

    i. Records of annual visual observations for generators ICGF-773-039, ICGF-774-040, ICGF-L3-TRITON, ICGF-L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC, including the name of the observer, the date and time of the observation, identification of the stack, an indication that the process was operating, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed, as required by Conditions 57 and 58.

    ii. Each Method 9 visible emissions evaluation performed for generators ICGF-773-039, ICGF-774-040, as required by Condition 57.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110 and Condition 37 of the 11/09/15 SOP)

VI. Firing Range Requirements (FIRI-GRP)

The firing ranges associated with this section of the permit consist of the following emission units: FIRI-3817-001 and FIRI-3638-002.

A. Limitations

60. **Firing Range Requirements - (FIRI-3817-001 and FIRI-3638-002) - Limitations - Emission Controls -** Particulate emissions from each small arms range (Ref. Nos. FIRI-3817-001 and FIRI-3638-002) shall be controlled by disposable particulate filters. Each particulate filter shall be provided with adequate access for inspection and shall be in operation when a firing range is operating.
(9VAC5-80-110 and Condition 38 of the 11/09/15 SOP)

61. **Firing Range Requirements - (FIRI-3817-001 and FIRI-3638-002) - Limitations - Visible Emission Limit -** Visible emissions from the disposable particulate filter stack of each small arms range (Ref. Nos. STFIRI-3817-001 and STFIRI-3638-002) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110, 9VAC5-50-80, and Condition 39 of the 11/09/15 SOP)

B. Monitoring

62. **Firing Range Requirements - (FIRI-3817-001 and FIRI-3638-002) - Monitoring - Visible Emissions Observations -** The permittee shall perform annual visual emissions observations on each disposable particulate filter stack for each firing range (Ref. Nos. STFIRI-3817-001 and STFIRI-3638-002) during normal operating conditions and daylight hours to determine compliance with the opacity standard. If such visual observation indicates any visible emissions, the permittee shall take corrective actions to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE opacity average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following:

    a. The name of the observer,

    b. The date and time of the observation,

    c. Identification of the stack

    d. An indication that the process was operating,

    e. An indication of the presence or absence of visible emissions,

    f. The duration of any visible emission incident, and

    g. Any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

    If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A).
    (9VAC5-80-110 E)

C. Recordkeeping

63. **Firing Range Requirements - (FIRI-3817-001 and FIRI-3638-002) - Recordkeeping -** The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

a. Records of annual visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication that the process was operating, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

b. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110)

VII. Gasoline Operations Requirements

The gasoline operations associated with this section of the permit consist of the following emission units: GSTA-1612-003, GSTA-3093-001, GSTA-3836A-006, and PETO-3838-001A.

A. Limitations

64. **Gasoline Operations Requirements - (GSTA-1612-003, GSTA-3093-001, and GSTA-3836A-006, and PETO-3838-001A) - Limitations - Rule 4-37 -** VOC emissions from the tanks at the commercial and fuel farm service stations (Ref Nos. GSTA-1612-003, GSTA-3093-001, and GSTA-3836A-006) and the tank at the loading rack (Ref. No. PETO-3838-001A) shall be controlled by the use of Stage I vapor recovery equipment that consists of:

    a. A submerged fill pipe,

    b. A vapor control system with the vapor recovery portion consisting of one of the following:

        i. A vapor tight return line from the tank to the tank truck which shall be connected before gasoline is transferred into the tank;

        ii. Any adsorption system or condensation system; or

        iii. Any system of equal or greater control efficiency to the systems in subsections (i) or (ii) above.

    c. A vapor control system with the vapor balance portion meeting the criteria listed in 9VAC5-40-5230 E.3.

    Each Stage I vapor recovery system shall be provided with adequate access for inspection and shall be in operation when a tank is being filled.
    (9VAC5-40-5220.E.1, and 9VAC5-40-5230.E.1, 2 & 3)

B. Monitoring

65. **Gasoline Operations Requirements - (GSTA-1612-003, GSTA-3093-001, and GSTA-3836A-006, and PETO-3838-001A) - Monitoring -** At least once per year, the permittee shall observe a gasoline delivery to GSTA-1612-003, GSTA 3093-001, GSTA-3860-006, and PETO-3838-001A for the Stage I vapor recovery system usage.
(9VAC5-80-110 E)

C. Recordkeeping

66. **Gasoline Operations Requirements - (GSTA-1612-003, GSTA-3093-001, and GSTA-3836A-006, and PETO-3838-001A) - Recordkeeping -** The permittee shall maintain records of the annual Stage I vapor recovery system usage monitoring results, including any corrective actions taken, if necessary. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110)

VIII. Painting Operations Requirements - Shipbuilding/Ship Repair (PNTS-PIER SIDE and PNTS-SHIP)

The painting operations associated with this section of the permit consist of the following emission units: PNTO-CONTRACTOR-020, PNTO-SHIPFORCE-021, PNTO-3816-002, PNTO-1263-011, PNTO-3874-011, PNTO-3814-013, PNTO-3869-019, PNTO-1619-030, PNTO-BMU2-031, PNTO-PORTOPS-032, PNTO-CB124-033, PNTO-NSWG2-034, PNTO-SBT20-035, and PNTO-UCT1-036.

A. Limitations

67. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** Each shipbuilding and ship repair operation shall be operated in compliance with the general provisions of 40 CFR Part 63, Subpart A as specified in Table 1 to 40 CFR Part 63, Subpart II (National Emission Standards for Hazardous Air Pollutants for Shipbuilding and Ship Repair (Surface Coating)).
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.780)

68. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** The provisions of 40 CFR 63, Subpart A pertaining to startups, shutdowns, and malfunctions in §63.6(f)(2)-(f)(3) and the provisions pertaining to continuous monitoring in §63.8 do not apply unless an add-on control system is used to comply with 40 CFR 63, Subpart II. Please see Table 1 to 40 CFR 63, Subpart II for specific applicable requirements under Subpart A.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.780)

69. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** The permittee shall comply will the applicable provisions of 40 CFR 63, Subpart II (National Emission Standards for Hazardous Air Pollutants for Shipbuilding and Ship Repair (Surface Coating)).
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63, Subpart II)

70. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** No owner or operator shall cause or allow the application of any coating to a ship with an as-applied Volatile Organic Hazardous Air Pollutant (VOHAP) content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.783(a))

71. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** The provisions of 40 CFR Part 63 Subpart II do not apply to "low-usage exempt" coatings used in quantities less than 52.8 gallons per year for each coating, and 264 gallons per year for all such coatings. Coatings exempt under this condition shall be clearly labeled as "low-usage exempt".
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.781(b))

72. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** Each owner or operator shall ensure that:

    a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.

    b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

    (9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.783(b))

73. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - MACT II -** Each owner or operator of an existing unaffected area source that increases its emissions of (or its potential to emit) HAP such that the source becomes a major source that is subject to this subpart shall comply within one year after the date of becoming a major source.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.784(b))

74. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Limitations - VOC Work Practice Standards -** At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.
(9VAC5-80-110 and 9VAC5-50-20 F)

B. Monitoring

75. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Monitoring - MACT II - :**

a. For each batch of coating that is received for use in shipbuilding and/or ship repair, the permittee shall:

i. Determine the coating category and the applicable VOHAP limit as specified in 40 CFR 63.783(a); and

ii. Certify the as-supplied VOC content of the coating. The permittee may use a VOC certification supplied by the manufacturer for the batch of coating. If the permittee performs certification testing, only one of the containers in which the batch of coating was received is required to be tested.

b. In lieu of testing each batch of coating, as applied, the owner or operator may determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785(c)(1), (c)(2), (c)(3), and (c)(4). The procedure used for each coating shall be determined and documented prior to application.

c. The results of any compliance demonstration using Method 24 shall take precedence over the results using the procedures in 40 CFR 63.785(c)(1), (c)(2), or (c)(3).

d. The results of any compliance demonstration conducted using an approved test method to determine VOHAP content shall take precedence over the results using the procedures in 40 CFR 63.785(c)(4).

(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.785)

C. Recordkeeping

76. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. For each compliance procedure used (40 CFR 63.785(c)(1), (2), (3), and (4)), the permittee shall maintain records to demonstrate compliance with the chosen procedure.
(9VAC5-80-110 and 40 CFR 63.785(c)).

b. Each owner or operator shall comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f).
(9VAC5-80-110, 9VAC5-60-100, and 40 CFR 63.788(a))

c. Each owner or operator of a major source shipbuilding or ship repair facility having surface coating operations with less than 264 gallons annual marine coating usage shall record the total volume of coating applied at the source to ships. Such records shall be compiled monthly and maintained for a minimum of 5 years.
(9VAC5-80-110, 9VAC5-60-100, and 40 CFR 63.788(b)(1))

d. For each coating used in ship painting (Ref. Nos. PNTS-SHIP), the permittee shall compile records on a monthly basis. At a minimum, these records shall include:

i. All documentation supporting initial notification;

ii. A copy of the approved implementation plan;

iii. The volume of each low-usage exempt coating applied;

iv. Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;

v. Certification of the as-supplied VOHAP content of each batch of coating;

vi. A determination of whether containers meet the standards as described in 63.783(b)(2) (Condition 72);

vii. The results of any Method 24 of appendix A to 40 CFR part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied; and

viii. Any additional information as determined by the compliance procedure(s) described in 63.785(c) that the permittee followed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.788 (b)(2), and 40 CFR 63.788 (b)(3))

D. Reporting

77. **Painting Operations Requirements - Shipbuilding/Ship Repair - (PNTS-PIER SIDE and PNTS-SHIP) - Reporting - MACT II** - Before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784, each owner or operator of an affected source shall submit a report to the EPA Administrator and the DEQ Tidewater Regional Office for each of the previous 6 months. The report shall include all of the information that must be retained pursuant to paragraphs (b)(2) through (3) of 40 CFR 63.788, except for that specified in paragraphs (b)(2)(i) through (ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, the source shall also report the information specified in paragraph (b)(4) of 40 CFR 63.788 for the reporting period during which the violation(s) occurred. To the extent possible, the report shall be organized according to the compliance procedure(s) followed each month by the affected source.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.788 (c))

IX. Painting Operations Requirements - Wood Finishing (PNTS-WOOD)

The painting operations associated with this section of the permit consist of the following emission units: PNTS-CB301-001, PNTS-1618-002, PNTS-1522-003, PNTS-3165-004, PNTS-3227-005, and PNTS-3530-006.

A. Limitations

78. **Painting Operations Requirements - Wood Finishing - (PNTS-WOOD) - Limitations - MACT JJ -** Each wood finishing operation is to be operated in compliance with the general provisions of 40 CFR Part 63, Subpart A as specified in Table 1 of 40 CFR Part 63, Subpart JJ (National Emission Standards for Hazardous Air Pollutants for Wood Furniture Manufacturing Operations).
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.800(d))

79. **Painting Operations Requirements - Wood Finishing - (PNTS-WOOD) - Limitations - MACT JJ -** The owner or operator of a source that meets the definition for an incidental wood furniture manufacturer shall maintain purchase or usage records demonstrating that the source meets the definition of "incidental wood furniture manufacturer" in 40 CFR 63.801, but the source shall not be subject to any other provisions of 40 CFR, Part 63, Subpart JJ. "Incidental wood furniture manufacturer" is defined in 40 CFR 63.801 as a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components.
(9VAC5-80-1180, 9VAC5-60-90, 9VAC5-60-100, 40 CFR 63.800(a), and 40 CFR 63.801)

80. **Painting Operations Requirements - Wood Finishing - (PNTS-WOOD) - Limitations - MACT JJ -** The owner or operator of an existing area source that increases its emissions of (or its potential to emit) HAP such that the source becomes a major source that is subject to this subpart shall comply with this subpart within one year after becoming a major source.
(9VAC5-80-1180, 9VAC5-60-100, 40 CFR 63.800(e))

81. **Painting Operations Requirements - Wood Finishing - (PNTS-WOOD) - Limitations - VOC Work Practice Standards -** At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.
(9VAC5-80-110 and 9VAC5-50-20 F)

B. Recordkeeping

82. **Painting Operations Requirements - Wood Finishing - (PNTS-WOOD) - Recordkeeping -** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to, purchase or usage records demonstrating that the source meets the definition of "incidental wood furniture manufacturer" in 40 CFR 63.801. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110, 9VAC5-60-90, 9VAC5-60-100, and 40 CFR 63.800(a))

X. Woodworking Operations Requirements (WOOD-GRP1 and WOOD-GRP2)

The woodworking operations associated with this section of the permit consist of the following emission units: WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001.

A. Limitations

83. **Woodworking Operations Requirements - (WOOD-1618-008) - Limitations - Rule 4-17 -** Particulate matter emissions from WOOD-1618-008 shall be controlled by fabric filters (Ref. No. CDWOOD-1618-008). Each fabric filter shall be maintained and operated according to the manufacturer's recommendations, shall be provided with adequate access for inspection, and shall be in operation when a wood working operation is being conducted.
(9VAC5-80-110 and 9VAC5-40-2270 A)

84. **Woodworking Operations Requirements - (WOOD-1522-003, WOOD-3165-004,WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) - Limitations - Rule 4-17 -** Particulate matter emissions from WOOD-1522-003, WOOD-3165-004,WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001 shall be controlled by cyclones (Ref. Nos. CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-3227-005, CDWOOD-117-006, CDWOD-3530-009, and CDWOOD-3806-001). Each cyclone shall be maintained and operated according to the manufacturer's recommendations, shall be provided with adequate access for inspection, and shall be in operation when a wood working operation is being conducted.
(9VAC5-80-110 and 9VAC5-40-2270 A)

85. **Woodworking Operations Requirements - (WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) - Limitations - Rule 4-17 -** Particulate matter emissions from each woodworking shop (Ref. Nos. WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9VAC5-80-110 and 9VAC5-40-2270 B)

86. **Woodworking Operations Requirements - (WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, and WOOD-3530-009) - Limitations - Visible Emission Limit -** Visible emissions from each woodworking stack (Ref. Nos. STWOOD-1618-008, STWOOD-1522-003, STWOOD-3165-004, STWOOD-3227-005, STWOOD-117-006, and STWOOD-3530-009) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9VAC5-80-110 and 9VAC5-40-80)

87. **Woodworking Operations Requirements - (WOOD-3806-001) - Limitations - Visible Emission Limit -** Visible emissions from woodworking stack STWOOD-3806-001 shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110 and 9VAC5-50-80)

B. Monitoring

88. **Woodworking Operations Requirements - (WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) - Monitoring - Internal Cyclone Inspections -** The permittee shall conduct annual internal inspections of each cyclone (Ref. Nos. CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-3227-005, CDWOOD-117-006, CDWOOD-3530-009, and CDWOOD-3806-001) for structural integrity. If there is no access door to view the internal part of the cyclone, the permittee shall conduct an external inspection of the duct work and the emission capture and control system. (9VAC5-80-110 E)

89. **Woodworking Operations Requirements - (WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) - Monitoring - Visible Emissions Observations -** The permittee shall perform annual visible emissions observations for each woodworking stack (Ref. Nos. STWOOD-1618-008, STWOOD-1522-003, STWOOD-3165-004, STWOOD-3227-005, STWOOD-117-006, STWOOD-3530-009, and STWOOD-3806-001) for at least 6 minutes during normal operating conditions and daylight hours. Lack of visible emissions shall indicate compliance with the provisions of 9VAC5-40-2270 B. If such periodic evaluations indicate any visible emissions, the permittee shall take appropriate action to correct the cause of the visible emissions. Records of visual observations shall include the following:

a. The name of the observer,

b. The date and time of the observation,

c. Identification of the stack

d. An indication that the process was operating,

e. An indication of the presence or absence of visible emissions,

f. The duration of any visible emission incident, and

g. Any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

(9VAC5-80-110 E)

C. Recordkeeping

90. **Woodworking Operations Requirements - (WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) - Recordkeeping -** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. Annual inspection results of the cyclones (Ref. Nos. CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-3227-005, CDWOOD-117-006, CDWOOD-3530-009, and CDWOOD-3806-001);

b. Records of annual visual observations for each woodworking stack (Ref. Nos. STWOOD-1618-008, STWOOD-1522-003, STWOOD-3165-004, STWOOD-3227-005,STWOOD-117-006, STWOOD-3530-009, and STWOOD-3806-001), including the name of the observer, the date and time of the observation, identification of the stack, an indication that the process was operating, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action taken to eliminate visible emissions, including the date and time the process was shut down and/or repairs were completed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110)

XI. Degreasing Operations Requirements - Non-Halogenated Cold Cleaners (DEGS-GRP1)

The degreasing operations associated with this section of the permit consist of the following emission units: DEGS-CB205-001, DEGS-CB315-001, DEGS-3817-018, DEGS-3511-021, DEGS-3514-024, DEGS-3859-025, DEGS-3165-031, DEGS-3810-032, DEGS-3615-044, DEGS-3615-045, DEGS-CB125-046, DEGS-2632-001, DEGS-2632-002, DEGS-2632-003, DEGS-2632-004, DEGS-2632-005, DEGS-108-001, and DEGS-117-001.

A. Limitations

91. **Degreaser Operations Requirements (DEGS-GRP1) - Limitations - Rule 4-24 -** Vapor control is required for each cold cleaner (Ref. No. DEGS-GRP1) to remove, destroy, or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following:

    a. Covers or enclosed remote reservoirs;

    b. Drainage facilities to collect and return solvent to a closed container or a solvent cleaning machine;

    c. A permanent label, summarizing the operating procedures in 9VAC5-40-3290 C.2.a-c on/near the cold cleaning unit(s);

    d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

    (9VAC5-80-110, 9VAC5-40-3280 C.1 & 2, and 9VAC5-40-3290.C.1.a-d)

92. **Degreaser Operations Requirements (DEGS-GRP1) - Limitations - Rule 4-24 -** The following operating procedures for the cold cleaning units (Ref. No. DEGS-GRP1) shall be followed:

    a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in closed containers only.

    b. The cold cleaning unit cover should be closed whenever not handling parts in the cold cleaner.

    c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.

    (9VAC 5-80-110, 9VAC5-40-3280 C.1 & 2, and 9VAC5-40-3290.C.2.a-c)

93. **Degreaser Operations Requirements (DEGS-GRP1) - Limitations - Rule 4-24 -** Disposal of waste solvent from the cold cleaning units (Ref. No. DEGS-GRP1) shall be done by one of the following:

    a. Reclamation (either by outside services or in-house), or

    b. Incineration.

    (9VAC5-80-110, 9VAC5-40-3280 C.1 & 2, and 9VAC5-40-3290.D)

B. Monitoring

94. **Degreaser Operations Requirements (DEGS-GRP1) - Monitoring -** Each degreasing unit of DEGS-GRP1 will be inspected once per calendar year to ensure that the label with the operating procedures is placed on or near each degreasing unit.
(9VAC5-80-110 E)

95. **Degreaser Operations Requirements (DEGS-GRP1) - Monitoring -** Each degreasing unit of DEGS-GRP1 will be inspected once per calendar year to ensure that each has a cover or enclosed remote reservoir, and waste solvent from each unit is stored in closed containers.
(9VAC5-80-110 E)

C. Recordkeeping

96. **Degreaser Operations Requirements (DEGS-GRP1) - Recordkeeping -** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

    a. Annual inspection results and any corrective actions taken;

    b. Method(s) of waste solvent disposal.

    These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
    (9VAC5-80-110)

XII. Facility Wide Conditions

A. Testing

97. **Facility Wide Conditions - Testing -** The permitted facility shall be constructed so as to allow for emission testing and monitoring upon reasonable notice at any time, using appropriate methods. This includes constructing the facility such that volumetric flow rates and pollutant emission rate can be accurately determined by applicable test methods and providing stack or duct that is free from cyclonic flow. Test ports shall be provided when requested at the appropriate locations or in accordance with the applicable performance specification (reference 40 CFR Part 60, Appendix B).
    (9VAC5-80-110, 9VAC5-50-30 F, and Condition 1 of 11/09/15 SOP)

98. **Facility Wide Conditions - Testing -** If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
    (9VAC5-80-110)

XIII. Insignificant Emission Units

99. **Insignificant Emission Units -** The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720 B)	Rated Capacity (9VAC5-80-720 C)	Building/ Location
Boilers					
Group III Furnaces (FURN-GRP3)					
FURN-4190-001, FURN-CB125-002, FURN-CB125-003, FURN-CB125-004, & FURN-CB125-005	Natural gas-fired furnaces. Installed after 1972.	9VAC5-80-720 C		Each < 10 MMBtu/hr	Various
Small fuel pumping operations					
Small Gasoline Pumping Operations (GSTA-GRP1)					
GSTA-QUAY-001, GSTA-3699-014, GSTA-3110-015, GSTA-3022-016, GSTA-U87-017, & GSTA-1522-018	Pump gasoline from small storage tanks into water craft, various off-road vehicles, or other containers	9VAC5-80-720 B	VOC/HAPS		Various
Small Diesel Pumping Operations (GSTA-GRP3)					
GSTA-1619-004, GSTA-3860-007, GSTA-QUAY-010, GSTA-3110-011, GSTA-U87-013, & GSTA-1522-019	Pump diesel oil into water craft, various off-road vehicles, or other	9VAC5-80-720 B	VOC/HAPS		Various
Small Gasoline/Oil Premix Pumping Operations (GSTA-GRP4)					
GSTA-1620-009	Small gasoline/oil premix pumping operations	9VAC5-80-720 B	VOC/HAPS		Bldg 1620
Distillate Oil and JP-5 Operations					
PETO-3861-001B	Distillate oil loading rack	9VAC5-80-720 B	VOC/HAPS		Bldg 3861
PETO-3826A-002	JP-5 loading rack (off load truck)	9VAC5-80-720 B	VOC/HAPS		Bldg 3826A
GSTA-3843-012	LCAC JP-5 service station	9VAC5-80-720 B	VOC/HAPS		Bldg 3843
GSTA-3844-012	LCAC JP-5 service station	9VAC5-80-720 B	VOC/HAPS		Bldg 3844
GSTA-PIER19-002	Pier 19 distillate oil pumping station	9VAC5-80-720 B	VOC/HAPS		Pier 19
Storage Tanks					
FF Tanks					
TNKA-3863-001, TNKA-3864-001, TNKA-3837-001, & TNKA-3839-001	Fuel Farm distillate oil tanks	9VAC5-80-720 B	VOC/HAPS		Fuel Farm
Group II Tanks (TG-II)					
TNKA-3870-002, TNKA-3872-002, TNKA-1166-001,	Small diesel storage tanks	9VAC5-80-720 B	VOC/HAPS		Various

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720 B)	Rated Capacity (9VAC5-80-720 C)	Building/ Location
TNKA-1265-006, TNKA-1265-008, TNKA-1518-003, TNKA-1555-001, TNKA-1609-001, TNKA-2000-001, TNKA-2083-001, TNKA-3006-001, TNKA-3445-001, TNKA-3505-002, TNKA-3550-001, TNKA-3892-003, TNKA-3823-003, TNKA-1126-001, TNKA-1265-007, TNKA-1501-002, TNKA-1518-002, TNKA-2115-002, TNKA-3015-001, TNKA-3150-001, TNKA-3165-003, TNKA-3400-002, TNKA-3505-001, TNKA-3823-002, TNKA-3848-002, TNKU-3856-001, TNKU-3879-002, TNKU-5000-001, & TNKU-1516-003					
Group III Tank (TG-III)					
TNKA-NAB775-001	Small diesel storage tank (emergency generator supply)	9VAC5-80-720 B	VOC/HAPS		NAB-773
Group IV Tank (TG-IV)					
TNKU-044	Gasoline storage tank	9VAC5-80-720 B	VOC/HAPS		Cove Marina
Group V Tanks (TG-V)					
TNKA-1515-020, TNKA-3699-043, & TNKA-3022-003	Small gasoline storage tanks	9VAC5-80-720 B	VOC/HAPS		Various
Group VI Tanks (TG-VI)					
TNKA-3825-001, TNKA-3845-001, & TNKA-3846-001	JP-5 above ground storage tanks	9VAC5-80-720 B	VOC/HAPS		Various
Group VII Tanks (TG-VII)					
TNKU-1558-001, TNKU-1558-002, TNKU-1558-003, & TNKU-1558-007	Kerosene/Isopar/Norpar storage tanks	9VAC5-80-720 B	VOC/HAPS		Bldg 1558

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720 B)	Rated Capacity (9VAC5-80-720 C)	Building/ Location
Group VIII Tanks (TG-VIII)					
TNKA-3860-023, TNKA-3868-035, TNKA-3530-037, TNKA-3661-041, TNKA-3872-067, TNKA-1558-068, TNKA-3821-082, TNKA-3869-084, TNKA-3859-095, & TNKA-CB301-003	Small used oil storage tanks. All installed after 1984.	9VAC5-80-720 B	VOC/HAPS		Various
Group IX Tank (TG-IX)					
TNKA-NAB778-001	Distillate oil storage tank. Installed 08/20/2004 to 12/15/2005.	9VAC5-80-720 B	VOC/HAPS		Bldg 777
Woodworking Operations					
WOOD-108-001	Woodworking Shop	9VAC5-80-720 B	PM/PM-10		Bldg 108
WOOD-1265-002	Woodworking Shop	9VAC5-80-720 B	PM/PM-10		Bldg 1265
WOOD-3334-009	Woodworking Shop	9VAC5-80-720 B	PM/PM-10		Bldg 3334
WOOD-1125-012	Woodworking Shop	9VAC5-80-720 B	PM/PM-10		Bldg 1125
Chemical Cleaning Operations					
CHMC-3826-006 & CHMC-3826-007	Chemical Cleaning Booths	9VAC5-80-720 B	VOC		Bldg 3826
Fiberglass Repair Operations					
FIBE-1610-003	Fiberglass Repair	9VAC5-80-720 B	VOC		Bldg 1610

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9VAC5-80-110.

XIV. Compliance Plan

100. **Compliance Plan - Description of Compliance Requirements -** The permittee is subject to the compliance schedule described below. The schedule includes a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with any applicable requirements for which the source will be in noncompliance at the time of permit issuance. This compliance schedule resembles and is at least as stringent as that contained in any judicial consent decree or Board order to which the source is subject. This schedule is supplemental to, and does not sanction noncompliance with, the applicable requirement upon which it is based.
(9VAC5-80-90 I.3.c)

101. **Compliance Plan - Compliance Schedule - 40 CFR 82, Subpart F (Protection of Stratospheric Ozone: Recycling and Emissions Reduction) -** Within 6 months of permit issuance, the permittee shall provide to DEQ a demonstration (i.e. sample record) that leak rate calculations are being performed, as required in 40 CFR 82.156(i)(5), for comfort cooling appliances normally containing 50 pounds or more of refrigerant charge. "Leak rate" is defined in §82.152 as "the rate at which an appliance is losing refrigerant, measured between refrigerant charges. The leak rate is expressed in terms of the percentage of the appliance's full charge that would be lost over a 12-month period if the current rate of loss were to continue over that period." The leak rate is calculated using only one of the methods outlined in §82.152.
(9VAC5-80-110 K.3, 40 CFR 82.156(i)(5), and General Condition 147)

102. **Compliance Plan - Compliance Schedule - 40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) -** Within 1 month of permit issuance, the permittee shall provide copies of the initial notifications for each non-emergency generator (Ref. Nos. OCOM-3872-010, OCOM-3872-011, OCOM-3872-019, OCOM-3872-020, ICGF-L3-TRITON, ICGF -L3-MTU, ICGF-L3-WACKER, ICGF-Oceaneering-WACKER, and ICGF-Oceaneering-GENERAC), as required in 40 CFR 63.6645(a) and 40 CFR 63.9.
(9VAC5-80-110 K.3, 40 CFR 63.6645(a), and Conditions 38, 40, 41 and A.42)

103. **Compliance Plan - Compliance Schedule - 40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) -** Within 12 months of permit issuance, the permittee shall demonstrate that each emergency engine subject to the requirements of 40 CFR 63.6625(d) and (f) is equipped with a non-resettable hour meter, which records the hours of operation of each engine. In addition, within 12 months of permit issuance, the permittee shall provide to DEQ a demonstration (i.e. sample record) that shows the hours of operation for engines subject to the requirements of 40 CFR 63.6655(f)(1) and (2) and documentation of how many hours were spent for emergency operation, including what classified the operation as emergency, and how many hours were spent for non-emergency operation. If the engine is used for the purposes specified in 63.6640(f)(2)ii) or (iii) or 63.6640(f)(4)(ii), the permittee must provide records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.
(9VAC5-80-110 K.3, 40 CFR 63.6625(d) and (f), 40 CFR 63.6655(f), and Conditions 45 and 47)

104. **Compliance Plan - Compliance Schedule - 40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) -** Within 12 months of permit issuance, the permittee shall provide to DEQ a demonstration (i.e. sample record) that each emergency stationary RICE is operated according to the applicable requirements of 40 CFR 63.6640(f), in order for the engine to be considered an emergency stationary RICE under 40 CFR 63, Subpart ZZZZ. These requirements are outlined below:

a. There is no time limit on the use of emergency stationary RICE in emergency situations.

b. You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of 40 CFR 63.6640 for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph.

c. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

d. Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

e. Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

f. Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(9VAC5-80-110 K.3 and 40 CFR 63.6640(f)(1-3), and Conditions 42 and 48)

105. **Compliance Plan - Compliance Schedule - 40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) -** Within 12 months of permit issuance, the permittee shall demonstrate that each emergency engine subject to the requirements of 40 CFR 60.4209(a) is equipped with a non-resettable hour meter, which records the hours of operation of each engine. In addition, within 12 months of permit issuance, the permittee shall provide to DEQ a demonstration (i.e. sample record) that shows the time of operation for engines subject to 40 CFR 60.4209(a) and the reason the engine was in operation during that time.
(9VAC5-80-110 K.3, 40 CFR 60.4209(a), 40 CFR 60.4214(b), and Condition 36)

106. **Compliance Plan - Compliance Schedule - 40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) -** Within 18 months of permit issuance, the permittee shall provide to DEQ a demonstration (i.e. sample record) that shows that the diesel fuel used in each stationary compression ignition internal combustion engine subject to the requirements of 40 CFR 60, Subpart IIII meets the requirements of 40 CFR 60.4207(b). This paragraph requires that owners and operators of stationary CI ICE subject to 40 CFR 60, Subpart IIII with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, as follows:

a. Maximum sulfur content of 15 ppm

b. Minimum cetane index of 40 or maximum aromatic content of 35 volume percent
(9VAC5-80-110 K.3, 40 CFR 60.4207(b), 40 CFR 80.510(b), and Condition 36)

107. **Compliance Plan - Compliance Schedule** - Within 18 months of permit issuance, the permittee shall have achieved final compliance.
(9VAC5-80-110 K.3)

108. **Compliance Plan - Reporting Requirements -** Within 14 days of the dates provided in the Compliance Schedule above, the permittee shall provide written confirmation that the milestone has been achieved. If the milestone is not achieved by the date required in the compliance schedule, the source shall, within 14 days of the date, provide a written explanation of the reason the compliance date was not met, a proposed alternate date and a statement as to the impact on the final compliance date. Extension of a compliance date may be cause for modification of this permit.
(9VAC5-80-110 K.4)

109. **Compliance Plan - Certified Progress Report -** The permittee shall submit a certified progress report semi-annually detailing the progress made toward completion of the milestones in the Compliance Schedule above. The progress report must be certified by a responsible official and shall contain the following:

a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.

Certified progress reports shall be submitted as part of the semi-annual monitoring report required in Condition 120.
(9VAC5-80-90 I.4 and 9VAC5-80-110 K.4)

XV. Permit Shield & Inapplicable Requirements

110. **Permit Shield & Inapplicable Requirements -** Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR, Part 63, Subpart JJ	National Emission Standards for Wood Furniture Manufacturing Operations. All sections except §63.801.	JEB Little Creek meets the definition of "incidental wood furniture manufacturer" in 40 CFR 63.801 (a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components). The facility is exempt from the requirements of this subpart with the exception of the requirement to maintain records of the purchase/usage of finishing material and adhesives to demonstrate qualification as an incidental wood furniture manufacturer.
40 CFR, Part 63, Subpart IIII	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks	JEB Little Creek does not conduct surface coating of new automobile or light-duty truck bodies or body parts. All surface coating of vehicles consists of refinishing operations.
40 CFR, Part 63, Subpart MMMM	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products	This subpart does not apply to the surface coating of metal parts and products performed on-site at installations owned or operated by the Armed Forces of the United States.
40 CFR, Part 63, Subpart NNNN	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances	JEB Little Creek does not coat any “Large Appliances” as defined by this regulation.
40 CFR, Part 63, Subpart PPPPP	National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands	JEB Little Creek does not operate any engine test cells/stands. All engines are used to power generators or pumps.
40 CFR, Part 63, Subpart RRRR	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture	JEB Little Creek does not operate any metal furniture coating lines.
40 CFR, Part 63, Subpart CCCCCC	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	JEB Little Creek is not an area source of HAPs.
40 CFR, Part 61, Subpart M	National Emission Standards for Asbestos. All sections except for 40 CFR §61.145, §61.146, §61.150, §61.152 and §61.153	JEB Little Creek does not process or manufacture asbestos containing products and is only subject to the regulations associated with removal and disposal of asbestos containing material.
40 CFR, Part 60, Subpart EE	NSPS for Surface Coating of Metal Furniture	JEB Little Creek does not operate any metal furniture coating lines.
40 CFR, Part 60, Subpart Kb	NSPS for VOC Liquid Storage Tanks	JEB Little Creek storage tanks contain liquids below the listed exempt vapor pressure.
40 CFR, Part 60, Subpart MM	NSPS for Automobile and Light-Duty Truck Coating Operations	JEB Little Creek is not an automobile and light-duty truck assembly plant.
40 CFR, Part 60, Subpart SS	NSPS for Industrial Surface Coating Large Appliances and Products	JEB Little Creek does not coat any “Large Appliance Parts” or “Large Appliance Products” as defined by the

Citation	Title of Citation	Description of Applicability
		regulation.
9VAC5, Chapter 40 Article 25	VOC Standards That Apply to Storage or Transfer of Volatile Organic Liquids Other Than Petroleum Liquids	These requirements do not apply to fixed roof tanks with a storage capacity less than 40,000 gallons containing volatile organic liquids other than petroleum liquids.
9VAC5, Chapter 40, Article 26	VOC Emission Standards For "Existing" Large Appliance Coating Application Systems	JEB Little Creek does not coat any "Large Appliance Parts" or "Large Appliance Products" as defined by the regulation.
9VAC5, Chapter 40, Article 28	VOC Emission Standards For Automobile And Light Duty Truck Coating Application Systems	JEB Little Creek coating operations are not an integral part of a production process and consist of vehicle refinishing operations. This allows the units to be exempt from this regulation pursuant to 9VAC5-40-3860 C 1.
9VAC5, Chapter 40, Article 34	VOC Standards For Coating Operations of Miscellaneous Metal Parts and Products.	Manufacturing and coating operations of miscellaneous metal parts are not an integral part of any coating process. JEB Little Creek operations consist of vehicle refinishing, vehicle customized coating operations, and/or coating of fully assembled aircraft and marine vessels. This allows the units to be exempt from this regulation pursuant to 9VAC5-40-4760 D.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9VAC5-80-140)

XVI. General Conditions

111. **General Conditions - Federal Enforceability -** All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9VAC5-80-110 N)

112. **General Conditions - Permit Expiration -** This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D, and 9VAC5-80-170 B)

113. **General Conditions - Permit Expiration -** The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D, and 9VAC5-80-170 B)

114. **General Conditions - Permit Expiration -** If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D, and 9VAC5-80-170 B)

115. **General Conditions - Permit Expiration -** No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D, and 9VAC5-80-170 B)

116. **General Conditions - Permit Expiration -** If an applicant submits a timely and complete application under section 9VAC5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D, and 9VAC5-80-170 B)

117. **General Conditions - Permit Expiration -** The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D, and 9VAC5-80-170 B)

118. **General Conditions -Recordkeeping and Reporting -** All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

    a. The date, place as defined in the permit, and time of sampling or measurements.

    b. The date(s) analyses were performed.

    c. The company or entity that performed the analyses.

    d. The analytical techniques or methods used.

    e. The results of such analyses.

f. The operating conditions existing at the time of sampling or measurement.
(9VAC5-80-110 F)

119. **General Conditions -Recordkeeping and Reporting -** Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9VAC5-80-110 F)

120. **General Conditions -Recordkeeping and Reporting -** The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

i. Exceedance of emissions limitations or operational restrictions;

ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."
(9VAC5-80-110 F)

121. **General Conditions - Annual Compliance Certification -** Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

a. The time period included in the certification. The time period to be addressed is January 1 to December 31.

b. The identification of each term or condition of the permit that is the basis of the certification.

c. The compliance status.

d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

e. Consistent with subsection 9VAC5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

f. Such other facts as the permit may require to determine the compliance status of the source.

g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9VAC5-80-110 K.5)

122. **General Conditions - Permit Deviation Reporting -** The permittee shall notify the Director, Tidewater Regional Office (TRO) within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 120 of this permit.
(9VAC5-80-110 F.2 and 9VAC5-80-250)

123. **General Conditions - Failure/Malfunction Reporting -** In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office (TRO) by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office (TRO).
(9VAC5-20-180 C)

124. **General Conditions - Severability -** The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9VAC5-80-110 G.1)

125. **General Conditions - Duty to Comply -** The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9VAC5-80-110 G.2)

126. **General Conditions - Need to Halt or Reduce Activity not a Defense -**It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9VAC5-80-110 G.3)

127. **General Conditions - Permit Modification -**A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9VAC5-80-190 and 9VAC5-80-260)

128. **General Conditions - Property Rights -** The permit does not convey any property rights of any sort, or any exclusive privilege.
(9VAC5-80-110 G.5)

129. **General Conditions - Duty to Submit Information -** The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9VAC5-80-110 G.6)

130. **General Conditions - Duty to Submit Information -** Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9VAC5-80-80 G.
(9VAC5-80-110 K.1)

131. **General Conditions - Duty to Pay Permit Fees -** The owner of any source for which a permit under 9VAC5-80-50 through 9VAC5-80-300 was issued shall pay permit fees consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9VAC5-80-110 H and 9VAC5-80-340 C)

132. **General Conditions - Fugitive Dust Emission Standards -** During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9VAC5-40-90 and 9VAC5-50-90)

133. **General Conditions - Startup, Shutdown, and Malfunction -** At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9VAC5-50-20 E and 9VAC5-40-20 E)

134. **General Conditions - Alternative Operating Scenarios -** Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.
(9VAC5-80-110 J)

135. **General Conditions - Inspection and Entry Requirements -** The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

d. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9VAC5-80-110 K.2)

136. **General Conditions - Reopening For Cause -** The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:

a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.

(9VAC5-80-110 L)

137. **General Conditions - Permit Availability -** Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9VAC5-80-150 E)

138. **General Conditions - Transfer of Permits -** No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.
(9VAC5-80-160)

139. **General Conditions - Transfer of Permits -** In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.
(9VAC5-80-160)

140. **General Conditions - Transfer of Permits -** In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.
(9VAC5-80-160)

141. **General Conditions - Malfunction as an Affirmative Defense -** A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of Condition 142 are met.
(9VAC5-80-250)

142. **General Conditions - Malfunction as an Affirmative Defense -** The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

b. The permitted facility was at the time being properly operated.

c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9VAC5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9VAC5-20-180 C.

(9VAC5-80-250)

143. **General Conditions - Malfunction as an Affirmative Defense -** In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.
(9VAC5-80-250)

144. **General Conditions - Malfunction as an Affirmative Defense -** The provisions of Conditions 141-143 are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.
(9VAC5-80-250)

145. **General Conditions - Permit Revocation or Termination for Cause -** A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
(9VAC5-80-190 C and 9VAC5-80-260)

146. **General Conditions - Duty to Supplement or Correct Application -** Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9VAC5-80-80 E)

147. **General Conditions - Stratospheric Ozone Protection -** If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

148. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9VAC5-60-70 and 9VAC5-80-110 A.1)

149. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

150. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9VAC5-80-110 I)

151. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.

b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.

(9VAC5-80-110 I)

XVII. State-Only Enforceable Requirements

152. **State-Only Enforceable Requirements -** The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9VAC5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

9VAC5, Chapter 40, Part II, Article 2: Existing Source Standards for Odor (Rule 4-2)

9VAC5, Chapter 60, Part II, Article 4: Existing Source Standards for Toxic Pollutants (Rule 6-4)

9VAC5, Chapter 50, Part II, Article 2: New and Modified Source Standards for Odor (Rule 5-2)

9VAC5, Chapter 60, Part II, Article 5: New and Modified Source Standards for Toxic Pollutants (Rule 6-5) (9VAC5-80-110 N and 9VAC5-80-300)